

# Manufacturers Record

## Exponent of America



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Baltimore, Md.  
FEBRUARY 7, 1924

### Trying to "Get Something for Nothing".

Sir Arthur Balfour, one of England's leading statesmen and industrial executives, referring to the system of unemployment doles which prevails in England, is quoted as saying:


"Our system has put a premium on pauperism. Men have got out of the habit of working. It was supposed to give them something for nothing, but instead it robbed them of their souls. It did more to debase English character than anything I know of in history."

The system of doles to the unemployed was started largely for the purpose of helping returned soldiers who were out of work, but it spread gradually to all unemployed. It has cost England some billions of dollars, but the money cost is of very small importance as compared with the cost of breaking down the moral stamina and the backbone of millions of its working people.

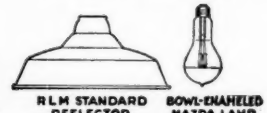
Wherever men get something for nothing, as they think, they are paying the biggest possible price for it for they are giving their souls for the thing which they think they are getting for nothing.

No able-bodied man can constantly accept charity without pauperizing himself, mentally and spiritually. As Sir Arthur Balfour justly says, this system of doles has been of incalculable injury to the moral fibre of the British people. Many men have stayed out of employment in order to draw the unemployment wage, or dole, and the man who once accepts state charity on that basis has so completely lost his dignity, and so destroyed the moral fibre of his nature, that it will be difficult if not impossible for him ever to get back on his feet morally again. It is a species of socialism which has cursed England, and it will curse any country which adopts it.

The spirit of labor unions as sometimes controlled is likewise a spirit of getting as much as possible and giving as little as possible in return. Not all labor union men, by any manner of means, have this moral weakness, but very many of them have been taught by false leaders not to give full return for the pay they receive, but to shirk on the job and do inefficient work. The loss to the men who do this is far greater than the loss to their employers, for while the employers are losing financially, the men are losing morally and spiritually. They are destroying their own manhood under the mistaken impression that by shirking on the job, they are benefiting laboring men. A falser doctrine was never taught and no honest laboring man should ever think that way or act that way. It is a doctrine that is socialistic in trend, and the farther an individual or a nation is led into socialism the more sure is his or its ultimate destruction.



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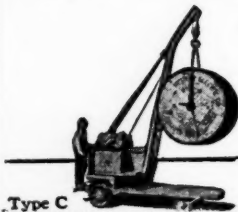
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# Manufacturers Record

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Vol. LXXXV No. 6  
Weekly.

BALTIMORE, FEBRUARY 7, 1924.

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## Woodrow Wilson.

**P**RECIOUS elements were mixed in Woodrow Wilson. Destiny seemed to hold him in solitude and obscurity while the mystic chemistry of time brought into full fruition the capacities with which he had been endowed. Alexander, a soldier, was mortaring in a cornerstone of civilization when still little more than a boy, with the flaming enthusiasm of decisive youth, and so it was with Hannibal and with Napoleon, conquerors all. Fate was more careful with Caesar.

When genius is to engulf a whole world, rebuild its superstructure and set the lamps for profane guidance over millenniums, inspiration must be found in accumulations of knowledge and experience, tediously acquired and mellowed by reflection. Very wisely indeed did the founders of this Government require that its Presidents should have lived long enough to have acquired that sobriety of judgment and ripeness of opinion that intimate contact with the vicissitudes of life alone can give. Woodrow Wilson was 54 years of age, he had spent a lifetime in the acquisition and coordination of knowledge and he had developed his intellectual powers without surcease of exercise before he was summoned into the arena of great affairs and made the central figure in the tragedy of the ages.

Had it been his fate only to take part in the establishment of purely domestic policies and programs, the insignia of immortality might well have escaped him. No man writes his name in letters of fire on the silver sheets of time unless the dynamos of human fortune have vivified the cameras. There is no sound unless there is an ear to hear it; there is, within mortal concepts, no greatness unless the eyes of the world are focused on the arena wherein it is exhibited. There are no events so terrible, so majestic, so all-embracing that time itself cannot obliterate them.

When the seas broke through the Pillars of Hercules and flooded the then known earth, the memory of it not only seared the brains of the survivors, but worked its way into the very atoms of the cell life through which the race survives. For centuries the fall of Babylon was the compelling fact of history, and there is scarcely a spot in Europe where the life of the people, even to this day, is not affected by the edicts of Julius Caesar. So, were catastrophe to wipe out all knowledge, were written history no more and were the records of the past, in stone memorial, obliterated, still would there run through human talk and thought, in tradition and in folk lore, over generations and centuries, the story of the stupendous conflict that wracked the world through four bleak years of horror. The memory of that war is immortal and so must be the name of the man who became the chief actor in it.

It is idle to discuss the merits or demerits of his activity. A new world threw its legions into the shambles of the old. The channels of power were transposed. An epoch in human history, dating back beyond written records into the infancy of the race, came to an end. There was born a new era, a new center of power, a new basis of intercourse between peoples. The world had been made ready for this colossal thing, as if it had been foreordained. Woodrow Wilson, like millions of others, was drawn into the whirlpool. On the one side are the hundreds of thousands whose sacrifice was no less great, symbolized by the Unknown Soldier; on the other, by mere virtue of his office, if not otherwise, is the President of the United States, Woodrow Wilson. He is part of the immortality of events.

Not often did Woodrow Wilson meet minds so ready as his own in the appraisal of situations. And when he did meet them, he distrusted them. It is an attribute of brilliancy to be self-sufficient. Some men rise to greatness on the shoulders of their comrades; others dynamite their way into the innermost shrines of fame. Shakespeare did not require contemporaries. Woodrow Wilson was brilliant, radiantly so at times.

In the sheer attributes of intellectual brilliance, Woodrow Wilson probably stood first among the Presidents. Majestic events inspire majestic programs. Mr. Wilson had brought to the Allied cause a contribution of incalculable value. It did not more thoroughly deserve the moral support of mankind after than before America entered the war, but Mr. Wilson had a genius for evangelism. It required a man with something of the poet's nature to picture even for the American people the war issue in such terms that the whole nation, as one man, would be prepared to make the sacrifices essential to success.

He convinced not only his fellow citizens that he would not have carried this country into the conflict had avoidance in any way been possible, but he so stated the tenets of idealism that he won the world to the cause. It may be called propaganda and some say that Lord Northcliffe was its chief exponent, but that the morale of the enemy was finally broken probably was due to the utterances of Mr. Wilson more than to any other one cause. He almost persuaded some allies of the Germans that defeat would advantage them. There was but one disinfectant for that frightful shambles and it was idealism. Somehow Mr. Wilson made himself the rallying point for it, an irresistible magnet to all those who dared to dream.

He made great decisions. Not the least of them was his determination that conscription was a necessity, that the times were too serious to experiment with volunteers. He sanctioned the stupendous financial expenditures in concentrated form that made early victory possible. He practically compelled unity of command at the front. He threw overboard every concept of the Democratic party as it re-

lated to centralization of authority, and drew into the nets of national control, every resource of the country. He steadied failing hearts abroad. He went ahead, as the good executive always does, on exigent occasions, knowing that he might be wrong in some cases, but believing always that action was better than do-nothingism. Meantime, he was internationalizing his personality, as spokesman for America. He only of all the Premiers, not excepting Lloyd George, became, as it were, the representative of all the peoples on the Allied side, a sort of universal champion. Indeed, he was to know, in days more barren, how intimately the law of action and reaction affects human relations. Greatness, after all, is the meeting point of commendation and condemnation. But whether in reverence or in hate, his name became as familiar in foreign tongues as it was in his own. While he was in the White House the shadows of that structure encompassed the earth.

It is a strange fact that Mr. Wilson, who steadfastly declined during the war to have this nation known as one of the Allies, but always spoke of the Allies and the Associated Nations, should have made a world alliance the supreme objective of his life. He made great sacrifice at Versailles, though compromise in general was repugnant to him. He did not believe that the tragedy of the ages had been visited upon the peoples of the world for a meaningless purpose. He dreamed the age-old dream of one earth, one people, one peace. For two thousand years wise men have dreamed likewise.

After all, the war would have been worth its frightful cost—worth any cost—if from the fields of Flanders, sown with dragon's teeth, arose not men of arms and battle, but a federation of nations, a new unity that would and could give warranties of peace. To that great purpose he dedicated unreservedly his flesh and blood and power. He so wove his Covenant of the League of Nations into the general Treaty of Peace as to make them almost inextricable. With all the subtleness and ingenuity at his command, he sought to bind this nation to the other nations in a world compact. He did it brilliantly. Here were brilliancy and high moral purpose allied in the same cause, and the former was made, many will think, subservient to the latter.

There were grave concessions made to win support from great nations such as France and England, concessions that Mr. Wilson would never have countenanced had he not felt that the ultimate result would be of supreme advantage, even though the immediate result might be the suffering of mandated peoples. Indeed, so convinced were people generally of this high purpose, so impregnated were they with idealism, that for a time it seemed certain to many that in this battle, as in others, he would be triumphant. Be it said to his credit that he never wavered in his objective. He might readily have secured ratification of the entire Versailles instrument by the Senate, with but the mildest of reservations. But even those mild reservations seemed to him to strike at the heart of the compact. The matter was too sacred, he thought, to permit of political deals. He preferred to appeal to the ages. He had a soul capable of enduring defeat in the face of an intellectual assurance to himself that sooner or later his purpose unchanged could be achieved. Such fortitude is well worthy of admiration, and it should, in this case, deserve the gratitude of the nation, for, had he been of lesser stamina, a compromise would have put this country into the League, which would have been most unfortunate, as events have shown.

The empire of peace does not exist in covenants and constitutions, in courts and tribunals, but in the hearts of men. "Peace to men of good will" and, inferentially, to no others. There is probably no intellectual preventive of war and it is hardly likely that a formula of avoidance can be written. But to the man who has sought to do what he believes to be a noble task, for the good of all humankind,

even though we may think that the cure he prescribed was worse than the disease, a tribute of respect can rightfully be accorded.

None opposed more earnestly than we did many of the policies endorsed and advocated by Mr. Wilson. Some of them we considered to be fatal to the well-being of the nation. At times he seemed to be a very unsafe leader. This is not the occasion, however, to assess his faults. Rather may we appraise those precious elements that were mingled in him.

Unquestionably a Wilson Legend will be built up, just as there is a Washington Legend and a Lincoln Legend. One saw us through our first great war, the other through the second. The third, set in authority through the greatest of all conflicts, must inevitably take his niche among the nation's heroes. The places with which he was associated will become shrines. His phrases will be used as political slogans for many years to come. Millions will conceive of him a champion who "went down fighting before many spears."

No city claimed Homer living, and seven claimed him dead. So Wilson dead will be a more vital force than he was in the late years of his life. No mausoleum will hold more than his body. The good he did will not be interred in his grave. He passed, as became him, unafraid into presence of his Maker. No living man had exercised powers equal to his and none had so impressed himself upon his era. It is meet and right that the people of this and other nations should bow their heads in reverence at his bier.

#### DOES NOT REPRESENT NEW ENGLAND SENTIMENT.

WITH that intense, undying, vindictive, devilish hatred which one or two New England papers still hold for the South, The Evening Standard of New Bedford, Mass., recently had a cartoon intended to show that the fear of lynching is the reason for the movement of negro population from the South to the North. "Judge Lynch" is pictured as a mean, diabolical fiend with a gun and a torch in one hand and a rope in the other, slinking away to find someone to lynch.

The man who prepared that cartoon and the editor who used it knew full well that it was a slander on the South, and nothing but undying hatred of this section ever prompted the hand that drew it or the paper that published it. Perhaps the fact that The Evening Standard of New Bedford finds that so many of its best business men are so enthusiastic in their praise of the South, and are turning their investments toward that section, is the reason why it thus seeks to misrepresent and malign the South.

Is it not about time for this bitter spirit of hatred to be buried forever? Is it not time for this kind of sectional viciousness to be laid deep in the grave, face downward, so that if it seeks to dig it will dig itself into the hell to which it belongs?

#### VETERANS OPPOSING A BONUS.

THE editor of The Disabled Veteran Magazine, published in Washington, is sending out a statement appealing for cooperation with the work of the "Veteran Association Opposing the Bonus, Inc."

In the course of this statement it is said: "The reduction of taxes upon all citizens appeals as sound business judgment and common sense. Already a large proportion of veterans condemn the imposition on the country at this time of a bonus, to which a large and important element among former service men is opposed, knowing it would increase taxation, pile additional burdens on every tax payer and retard business for an indefinite period."



## Drastic Restriction of Immigration Needed to Save Our Country.

HON. ALBERT JOHNSON, Chairman of the Congressional Committee on Immigration and Naturalization, in a letter to the MANUFACTURERS RECORD writes:

"Members of the House Committee on Immigration have long admired the stand of the MANUFACTURERS RECORD in behalf of the restriction of immigration."

We are somewhat at a loss to understand how any thorough, patriotic American can take any other position than that of restriction of immigration—and a rather radical restriction at that.

Here is a story from a Detroit paper which tells of conditions in Hamtramck, located within the limits of Detroit, which is typical of much of the spirit of the alien element massed in great centers of population in this country. The Detroit paper says:

"Hamtramck, a city of 60,000 inhabitants situated within the limits of Detroit, is making a bid for fame. At a recent massmeeting of its residents demands were voiced for 'Polish rule,' evacuation of the state police, and removal of all but Polish people from the community. A judge of the federal court was harshly criticized for an attack on the local liquor situation, and a local justice was booed into silence when he attempted to speak in English in defense of the federal court. He was told that only the Polish tongue should be heard.

"That reveals a situation which cannot be overlooked. The persons responsible for that meeting and its actions are not American in thought, spirit, or practice, whether they are naturalized citizens or not. Either something within themselves or something in America has prevented them from becoming American, and has kept them Poles at heart. It reveals a grave menace to American institutions and democratic government.

"It is not a theory but a fact. The question is, how to correct it. The normal processes of time would do so, if allowed to operate. Inter-marriage with Americans, or other races in America, the growing use of a common language, the influence of the public schools and of American social customs upon the rising generation would eventually break up any such racial consciousness and solidarity. But no such influences have operated effectively upon those responsible for the demonstration cited.

"That is unfortunate, but true. It is also unfortunate, but true, that resentment of this situation expressed in the ordinary American attitude toward the Poles, or toward Italians, Greeks, Asiatics, and to a lesser extent toward Germans, Scandinavians, Irish, or British, tends to drive these people still more closely together. That is deplorable. But it does not justify ignoring the fact that an alien-minded community of 60,000 souls, established in one of our greatest industrial cities, violently resents the use of the American language and government under American laws. That is a danger which must be understood if the present Congress is to take essential action toward eliminating such danger.

"Time and associations will correct in future generations the evils now apparent in this community. But neither time nor associations will correct the present evil. That can be done only by further restricting the influx of aliens which has been so great as to build up such communities in the present generation. Even if the next generation is Americanized the benefit will be comparatively slight if we develop more such communities of new alien immigrants. What we need is time to absorb those we have without the handicap of adding more unassimilable at the same time.

"It happens that the Poles of Hamtramck are the inspira-

tion of this discussion. That is incidental. The same thought applies to Italian, Greek, Asiatic, or other racially conscious colonies of alien-minded peoples, wherever located throughout the United States."

The people of this country may well ask themselves whether they want to see the conditions revealed in Hamtramck developed in every part of the United States to a greater or less extent. These conditions do exist to some degree at the present time wherever a large number of Southern Europeans are congregated. Among these people are many good, honest men and women who have come to America from high motives, but to a very large extent these alien people feel that they own America, that they can dominate its politics, control its legislation, and run this country to suit themselves. They resent the enforcement of our laws, and they seek to turn our boasted liberty into rank license on their part to do whatever they please, and whenever they please, and in whatever way they please.

Until this element now here has been to a very large extent Americanized and evangelized, and educated out of the views which have been bred in them for a thousand years or more, we would be committing an unspeakable crime against this country and all civilization, by permitting their increase in America. It is not intended we believe by the Almighty, that this nation be deprived of its liberties and its government by the influx of hordes of aliens. It can better serve the world by upholding its own civilization and government, and thus setting an example to other nations, than it can possibly do by permitting its influence to be broken down by the lawless alien element which has crowded to our shores from Southern Europe, and of which we need no more, regardless of the views that may be expressed to the contrary by employers seeking a larger supply of labor.

Some of the arguments advanced by those who favor increased immigration are wholly without foundation. We regret that the National Association of Manufacturers has recently put forth such an argument. It was intended to convey the thought that in 1921, 194,000 manufacturing establishments had an output of only 56.8 per cent as compared with their possible production, by reason of a shortage of labor. It is difficult to understand how men of intelligence connected with that organization should have permitted such an argument to be advanced.

In 1920 this country was crowded to the limit of possible profitable production. Its agricultural and industrial interests were prosperous and its people were well employed. But following deflation there came a disastrous shutting down of industrial activities, and we had 5,000,000 people out of employment. The output of the 194,000 manufacturing establishments of 56.8 per cent was, therefore, not in the slightest degree due to shortage of labor, but to the general depression existing throughout the country, for there were millions of idle men and women vainly seeking employment.

We then had from 4,000,000 to 5,000,000 men and women idle because there was no work to be found; and yet, because 194,000 factories had an output of only 56.8 per cent of their possible capacity, this fact is used as an argument in favor of immigration. We regret that it was republished in the weekly circular letter issued by William H. Barr, President of the National Founders' Association. As a general proposition Mr. Barr's letters to the members of that organization are so illuminating that we have been very much surprised he should have fallen into the error of adopting the figures of the National Association of Manufacturers in this false argument for increased immigration.

As a matter of fact, we have millions of foreigners just

as unassimilated as those in Hamtramck, Detroit. We have more than 1250 papers in this country printed in foreign languages, and nobody outside of their readers has the slightest idea of what doctrines they are teaching. But we do know that the statements recently made by Secretary Hughes that the Russian Government has been seeking to develop among the foreigners in this country a bolshevistic desire to overturn our government, is unquestionably true. That has been going on ever since the Bolsheviks captured Russia.

When Ambassador David Francis returned from Russia he wrote the MANUFACTURERS RECORD that he was sure a very large amount of Russian gold was being expended in this country for the express purpose of developing Bolshevism in America. In his letter he stated that Russian bankers came to him in secret and asked him to cable to this Government to prevent the payment to bolshevistic agents for the spread of that propaganda, of money which these bankers had on deposit in the United States banks. These bankers told him that under penalty of punishment they had been compelled to cable to their bank correspondents in this country to pay out the amounts specified to the men whose names were given in these cables; but knowing that they were bolshevistic agents they appealed to Ambassador Francis to notify this Government and to see that the American banks were warned. When he returned to America, however, Mr. Francis found that his message to the State Department had not reached Washington in time to prevent some of this money being thus expended.

We need no more of the class of people from Russia and from Southern Europe tinged with this bolshevistic, socialistic, communistic, anarchistic ideas, whose hearts and lives and brains are fertile soil for the sowing of the seed of revolutionary overturning of this government.

At times there has been a scarcity of labor, but this can be better met by the larger development of labor-saving machinery than by crowding this country with foreigners.

We repeat the statement often made in this paper that if we cannot have rapid material progress without enlarged immigration, it would be better that our material progress go on at a slower pace.

We trust that Chairman Johnson and the members of his Immigration and Naturalization Committee will see that no bill, not even any from Secretary of Labor Davis, is permitted to pass Congress, which under any condition whatever would enlarge the influx of the undesirable element that seeks to leave Europe—for Europe's good—and seeks admission to this country to intensify the conditions already existing here.

### ENGLAND TURNING TO PROTECTION.

**A**RTHUR KITSON, of the Kitson Engineering Co., Ltd., Stamford, Lincolnshire, England, in a letter to the MANUFACTURERS RECORD writes:

"The election results, although disappointing to some of us, were also encouraging, because it showed that the feeling in favor of protection is growing. Before the War it would have been difficult to get a million people in this country to vote in favor of it; whereas at the last election the greatest number of votes given to any party was given to the party of protection, namely, the Conservatives. Had Mr. Baldwin waited another twelve months, and if the Protectionist party had carried on a system of education as they did during the two or three weeks of election, there is no doubt Mr. Baldwin would by the end of another year have obtained a majority over all other parties, but he counted too much upon the voters. There is not one person in ten that really understands the question. We have all been fed on the free trade fallacy from childhood up."

### CONGRESSMAN MAGEE IN FAVOR OF GOVERNMENT BUILDING POST OFFICES.

**H**ON. WALTER W. MAGEE, congressman from New York, was recently quoted in a scare heading dispatch from Washington in the Baltimore Evening Sun as saying:

"The service on which the entire business fabric of the nation depends (Post Office System) is falling to pieces simply because of the menace of 'pork barrel' legislation; and if that menace is not soon removed heaven knows where the Postal System will be in a few years," and a great deal more on the same kind.

Regarding this Mr. Magee writes the MANUFACTURERS RECORD as follows:

"There must be a mistake somewhere; otherwise, I have been wilfully misrepresented. I have not seen the article referred to, nor do I know anything about it. I have not been interviewed on the subject of public buildings, nor have I given out any statement thereon. I may add that the style of expression and language used in the article are entirely foreign to my makeup. I have been working for years in favor of a public building bill. On October 21, 1921, I made some remarks in the House, a copy of which I herewith enclose. For some time I have been gathering additional data with the intention of renewing my plea soon in the House. My position is that the people of this country are entitled to, and must have, an efficient postal service, and that the Post Office Department cannot render such service unless the Congress will act favorably upon its recommendations and provide reasonable facilities therefor. \* \* \* \* It is apparent from the enclosed clipping that the reporter wrote up the matter in his own style and in accordance with his own notions."

The bill to which Mr. Magee refers, introduced by him in regard to public buildings, emphasizes the necessity of enlarged facilities for post office work. In discussing this subject he said:

"We must bear in mind the tremendous increase in the parcel post business, which has been growing and will continue to grow by leaps and bounds. The parcel post meets a great public need, and I respectfully submit that we should make proper and reasonable provision for this branch of the postal service."

The resolution offered on December 20, 1923—proposing an amendment to the Constitution empowering the President to veto any item or items of a bill making or authorizing appropriations, while approving other portions of the bill—does not in Mr. Magee's opinion in any way whatever justify the remarkable interview sent from Washington to the Evening Sun, a brief extract from which we have quoted.

### WANTS INFORMATION AS TO WHAT OTHER STATES ARE DOING.

H. R. Powell & Son,  
Realtors.

Augusta, Ga., January 23.

Editor Manufacturers Record:

We are in receipt of copy of your MANUFACTURERS RECORD of January 17, for which please accept thanks. I am a great admirer of you and the work you are doing and trust that the support you deserve will be accorded you. While I am not a subscriber to your magazine I buy it regularly.

In regard the campaign that has been planned for the upbuilding of Georgia, I am chairman of the finance committee, and would appreciate your putting me next to the plans that other states have used in raising money for a similar purpose.

H. R. POWELL,  
Finance Chairman, Land Division.  
Georgia Real Estate Association.



## A WISE MOVE BY THE UNITED STATES POST OFFICE DEPARTMENT.

FOR the first time in the history of the Post Office Department there has come to that organization a proper understanding of the relation of newspapers to their subscribers.

The newspaper, daily or weekly as it may be, is often more important to the subscriber than the letters he receives. The farmer needs to know at the earliest moment possible the conditions of the market for agricultural products. The business man needs to receive his daily or weekly papers as quickly as possible in order that he may learn of the movements in trade or industry, or finance, which vitally affect his business. But heretofore newspapers generally have been treated by the Post Office in a way expressed in the old saying "worse than a red-headed step-child." Postal clerks have disregarded the prompt handling of newspapers, while giving all possible expedition to letters; and the newspaper business has in this way often been seriously hampered by inefficiency in post office work, and the subscribers to newspapers have been hampered to an even greater extent.

Fortunately, however, Postmaster General New has very completely reversed the whole situation, and after months of investigation and study by experts has issued a definite, concise program to be put into effect immediately, which will give the same prompt attention to newspapers as is accorded to first class mail.

This investigation, made under the direction of First Assistant Postmaster General Bartlett, has resulted in a revolutionizing change in the methods of the Post Office Department which will prove invaluable to all newspaper readers. The new order gives to the newspapers exactly the same expedition as to so-called "first class" mail, or letters; but if there is any mail in the world which ought, in the ordinary parlance of the day, be called "first class" it is that of newspapers. Henceforth newspapers are not to be mixed with parcel post packages, nor sent to railway terminals to be rehandled. In the announcement made by the Post Office Department it is said:

"This order means much to the American people. It is one of the most important and far-reaching steps in Post Office history. It is for the benefit of those who desire to have their newspapers placed before them at as early a moment as possible. This should keep both the city and rural population in closer and quicker touch with their several fields of activities."

No more hopeful indication of business sense in governmental affairs has come out of Washington for many a long year than the recognition by the Post Office Department of the need of subscribers getting their papers just as quickly as their letters. Take, for instance, one illustration. The MANUFACTURERS RECORD has thousands of subscribers who turn instantly upon its receipt to our Construction Department to find out who is going to build a plant of any kind, or a big dwelling, or a hotel, or an office building; or what town is to improve its streets; or what country is to build new highways. Every item of news of this kind is worth a great deal of money to the man who through it gets a contract.

Some time ago an Atlanta engineer read in the MANUFACTURERS RECORD of a proposed development in the South by a

Buffalo concern. Without waiting for a moment even to inquire by wire, he caught the first train for Buffalo, and closed a big contract. This kind of information is invaluable in proportion to its accuracy and to its being advance news, and for this reason it is more important to thousands of concerns than are most of the letters which come to them in their daily mail.

Similar conditions exist as to other newspapers, and we extend our heartiest congratulations to Postmaster General New and every official connected with this work, upon the wisdom of their action.

## FARMERS CULTIVATING TOO MUCH LAND.

URGED on by the activities of the Government during the War and immediately thereafter pressing upon the farmers the importance of increasing their crops in order to meet the world's requirements, American farmers continued during 1923 to increase their acreage. In that year the acreage of the fourteen principal crops, according to the United States Department of Agriculture, was 341,000,000 acres, or more than 2,000,000 acres in excess of 1922; and the production of these fourteen crops aggregated 265,000,000 tons, or about the same as in 1922, and 11,000,000 tons larger than the average of the ten years preceding. Thus notwithstanding the heavy movement of population away from the farms into the cities, the farmers of the country by hard work and improved machinery have greatly increased their acreage under cultivation and largely increased the total of their output. They have produced larger crops than were justified by the consuming capacity of the country, notwithstanding the shortage in farm labor.

The wheat acreage for the present season shows a very considerable decrease as compared with the preceding year, and now if other lines of farm work, especially cotton, should show a similar decrease then we might hope to see an earlier return to prosperity to the farmers of the country. It is as foolish for the farmers to increase their production beyond the needs of the country as it would be for the coal operators to greatly increase their output of coal when the country could not consume it, or for the iron and steel people and the cotton manufacturers to keep running at full capacity turning out more goods than they could sell or the country consume.

The farm business of the country needs to get on the same kind of economic basis of management as the industrial interests now are.

## LABOR SUPPLY AND BUILDING WORK.

J. J. Battershill & Son.

Franklin, W. Va., January 16.

Editor *Manufacturers Record*:

Inclosed you will find check for \$10.00 which renews my subscription to the MANUFACTURERS RECORD for two years.

I have been reading your magazine for a long time, since I was sixteen years old, and have found you on what I thought was the "square side" ever since. Our nation would be far better off if they said what they thought—the people—and were not influenced so easily.

The only thing I disagree with you in is that you favor still more buildings and construction work for 1924 than was done during 1923. The reason I am not in favor of this increase is that labor will be so scarce that it will be, in lots of places, impossible to get at any price. You know it would not be advisable to let into this country immigrants who are not fit to be citizens of a well-bred country, and I do not see how we can do more work than we have labor to do it with.

T. C. BATTERSHILL.

Replying to the foregoing inquiry, the MANUFACTURERS RECORD cannot see any reason why the building activity of

1923 should not be continued during 1924 to the good of the whole country. There seems no reason why labor should be scarcer during 1924 than it was in 1923, and during the latter year our building work figured up between \$5,000,000,000 and \$6,000,000,000.

We believe that as the opportunity for labor becomes better, labor will become more efficient and that the utilization of labor saving machinery will in many places, and in many lines of work, make it possible to increase the output, even without any increase in the labor supply. Like Mr. Batterhill, the MANUFACTURERS RECORD is absolutely opposed to lowering the bars against immigration, and we do not believe that we need or should have any larger influx of alien labor than we now have.

### WHAT IS OUR CURRENCY CIRCULATION PER CAPITA?

**I**N reply to a letter to the Treasury Department in regard to the reported per capita circulation of money in the United States from the MANUFACTURERS RECORD, J. W. McIntosh, Acting Comptroller, Treasury Department, writes as follows:

"I have your letter of December 19, referring to a dispatch from Washington which quotes the Comptroller as giving the money in circulation in the United States as \$35.52 per capita, compared with an average in 1914, of \$17.89, and requesting to be advised whether in arriving at this estimate, the enormous amount of our currency being used in other countries was taken into consideration.

"The circulation statement as of July 1, 1923, prepared by the Division of Loans and Currency, Treasury Department, shows the per capita money outside of the Treasury in circulation, to be \$42.50, exclusive of amounts held by Federal Reserve banks and agents, and the figures shown by the table published on page 125 of the text of the Comptroller's current annual report with respect to the amount of money in general circulation, exclusive of amounts held by reporting banks and Federal Reserve banks, are based upon computations made from the Treasury circulation statement, and the returns from all reporting banks, national and state, as of June 30, 1923.

"This office has no means of determining the actual amount of currency circulating in foreign countries, and the manner of arriving at the per capita amount in circulation, June 30, 1923, is disclosed by the table referred to."

In the inquiry made to the Comptroller of the Currency, the question was asked as to whether consideration had been given to the amount of American money which has been shipped to Europe, as some American bankers have estimated that more than \$500,000,000 of our currency is in Germany, with large amounts hid away in other continental countries, while it has been estimated by some people that \$200,000,000 of American currency is in use in Cuba and other West India Islands. With so large an amount of our currency either locked up for safe keeping or doing duty in other countries, what effect does this have upon lessening the volume of money in circulation in this country? It was in reply to such questions as these that we have Mr. McIntosh's letter as given above. It unfortunately throws no light upon this very serious question as to the volume of currency in actual circulation in this country, which affects all business interests and makes for poverty or prosperity.

### STUDYING RUBBER GROWING IN FLORIDA.

**A**LFRED KAYS, an expert on commercial rubber growing, has been sent by the Department of Agriculture at Washington to Florida to make a comprehensive study and survey of the possibilities of rubber production in that state.

### FLORIDA COUNTIES SETTING AN EXAMPLE FOR THE WHOLE SOUTH.

**T**HERE is to be held this month in Madison Square Garden, New York, a Florida Exposition, in which the agricultural and horticultural products of the state, and possibly some of the timber and mineral resources of the state are to be exhibited.

Florida has taken hold of the proposition with great enthusiasm. One county after another is voting anywhere from \$2000 to \$4000 each for county exhibits, and in the aggregate many thousands of dollars will be expended by the state of Florida and the business interests in making an exhibit which promises to be a worthy exposition of the resources and products of that remarkable state.

What Florida is doing in this respect should teach a lesson to every county and every business interest in the South in making preparations at once for exhibiting the South's resources in raw material and its achievements in agriculture and manufactures at the great Southern Exposition to be held in New York next January.

Are the counties of the South generally alive to this opportunity as much as the counties of Florida are at present alive to the State Exposition to be held this month in Madison Square Garden? It will be possible to a large extent to measure the energy and resourcefulness of the people of different counties and states in the South by the way in which they exhibit their resources and achievements in agriculture and manufactures in the New York Southern Exposition next year as compared with what Florida is now doing. There is no time to be lost in organizing for this work. Every county in the South should be considering the matter and getting ready to gather its exhibit. Every state in the South should make liberal appropriations for state exhibits in connection with the work to be done by the counties, and probably all of the exhibits for each state instead of being divided by counties should be under one general state head.

There should be exhibits from the industrial interests. Birmingham should show its iron and steel; Anniston its phosphoric acid achievements, marvelous in their results. The cotton mills of the South should not only show the extent and variety of their products, but they should have moving picture panoramas, kept in constant motion during the entire exposition, of their village life, in order that the people of the North, who have been so largely misinformed as to cotton mill operatives, may have the opportunity of studying pictures of the operatives themselves, and pictures of the homes in which they live, and the beautiful mill villages with their splendid Christian Association buildings. All of these things should be taken hold of promptly and handled intelligently by men who fully understand the opportunity of driving into the entire East an understanding which that section has never had of Southern resources, Southern progress, Southern advantages, and the character of Southern operatives especially in the cotton mills. The very life of the South in all of its completeness should be shown.

Here is an opportunity to visualize to the millions of people in the East a study of the South such as they have never had the chance of seeing before. It will be worth almost as much to this section as it would be to bring millions of people down South to look over the land and see for themselves.

We trust that the hydro-electric companies of the South, the cotton mills, the iron and steel people, the furniture manufacturers, and all others who mine or produce the things which constitute the throbbing, thriving life of the present day, and show what may be accomplished in the future, will get to work promptly. It is needless to say that every railroad in the South should co-operate fully with all of the forces that are at work, and should make complete exhibits of resources on their lines for establishing manufactures and attracting farmers and horticulturists.



## A MARKET FOR EASTERN AND WESTERN MANUFACTURED PRODUCTS IS BEING CREATED BY SOUTHERN DEVELOPMENTS.

THE Chase Foundry and Manufacturing Company of Columbus, Ohio, in a letter to the MANUFACTURERS RECORD writes:

"We feel much encouraged over the outlook in the South, and are inclined to believe that many people fail to take into consideration the immense development that has taken place in the South, and that for some time at least, this development will use up a large part of the material that we have heretofore exported, or in other words, it will take a sufficient amount of material to make up for the amount we formerly exported.

"Another very important matter, as it seems to the writer, is the fact that we must not only consider the natural growth of our country, but also the increased amount of material each individual is using compared with what he used ten or twelve years ago. This increased individual consumption, together with the immense development in the West and South may enable us to continue on our high and independent plane without taking into consideration any foreign country. However, the immense producing capacity of this country will soon catch up with this condition, when we again must look for an outlet, and in order to have this outlet available, I feel that it is dangerous at this time to ignore it entirely."

This letter brings out two very important facts, to which our people generally have not given full thought. One point is that the development of the South, with its 37,000,000 people, is furnishing and will continue to furnish for years to come an ever expanding market for the manufactured products of the North and the West. However rapid may be the growth of diversified industries in the South, their very expansion will make enlarged demands upon other sections. Every cotton mill built in the South, every coal mine opened, every enlargement of the steel and iron business, every advance in the construction of buildings and of highways and every progress in city building, means the creation of a market for machinery of all kinds produced elsewhere, for the South cannot yet by any manner of means make at home the varied lines of machinery which are needed to carry on this upbuilding work.

The importance of these facts has not been as clearly seen by many Northern and Western manufacturers as by the Chase Foundry and Manufacturing Company.

Another point of interest worthy of consideration, made in the letter of that company, is the increased individual consumption of everything during the last ten or twelve years. We are living on a higher plane than formerly. Every family, broadly speaking, is consuming more, of foodstuffs, of clothing and of manufactured goods. Better houses are demanded, better house equipment in the way of modern improvements, electrical appliances and kindred things are now required than people, even of large means, thought of using even ten or fifteen years ago. Larger and better school buildings are required, improved highways are demanded, and the aggregate of all of these things, if it could be measured by per capita consumption or the use of them, would show a remarkable advance in the use of the things which make for more comfortable living based on the enlarged volume of business and of wages. The whole condition of life has changed.

The man who fifteen or twenty years ago felt a little uncertain as to whether he could support a horse and buggy, now finds an expensive automobile a necessity even for his business activities. It is not so many years ago that the

city man who kept a horse and buggy, or a carriage, was regarded by his community as necessarily having a considerable degree of wealth, and the number of city dwellers who kept horses and carriages for pleasure was extremely limited. Today nearly everybody keeps an automobile, and the wealth of the country is increasing with sufficient rapidity to justify this expenditure on the part of most of the automobile owners. There is an enormous expansion in the amount of material of all kinds consumed in this country, and in that as in the general development of the South and the West—there is being created a market for manufactured products of all kinds such as we never knew in former years.

In the development of the South there is bound to be for years to come a growing market for machinery and equipment of all kinds produced in the North and the West, and Southern growth means a larger market and a broader field of activity which should be cultivated diligently by all Northern and Western concerns which seek to broaden their business.

## HOW MINISTERS AND CHURCHES ARE BEING MISLED TO BECOME PROPAGANDISTS FOR THIS, THAT, AND THE OTHER SCHEME.

ONE of the leading ministers of the country in a letter to the MANUFACTURERS RECORD makes some statements, called forth by the Bok Peace Plan, which are worthy of careful study by all ministers, and laymen as well. They are as follows:

"I have read with interest the editorial in the MANUFACTURERS RECORD of January 24, entitled 'The Bok Peace Plan an Unworthy Scheme.' I received yesterday from the New York office of the Federal Council of the Churches of Christ in America a copy of the peace plan (please notice that I use a small *p* for each of these words), a sheet for the names of the voters for or against in the nation-wide referendum, and a letter asking me to get the members of my congregation to vote, and then to certify the genuineness of every signature. The referendum sheet does not require the voters in this matter to be 'voters' in affairs of nation, state, or municipality; which means that children may vote in this referendum.

"Even if the Bok peace plan were good, what shall we say of the value of a referendum of this sort? And what shall we say of the Federal Council of the Churches of Christ in America which lends the machinery of its organization to schemes of this kind? And what shall we think of the wisdom of pastors who permit themselves to be used as tools in such enterprises?

"Through lack of foresight, or because of a wrong conception of the true mission of Christian churches, our Christian leaders have permitted propagandists of many sorts, engaged in securing legislation in the interest of various reforms, to change the churches into caucus units, until many churches have become primarily reform agencies and only in a secondary sense custodians of the ordinances of the church and of the evangelical doctrines of the gospel.

"There are three divinely sanctioned institutions, working together, but each with distinctive prerogatives,—the family, the church, and the state. Many of the evils of the last fifteen hundred years in so-called Christendom have arisen because the state and the church formed alliances which ultimately were discovered to be both entangling and ungodly.

"I am gratified that the MANUFACTURERS RECORD gives sound teaching in so many great matters, and, not least, upon this tendency of the churches to become the tools of propagandists."



## SOME MISTAKES OF GOVERNOR RITCHIE OF MARYLAND.

IN the course of his inaugural address Governor Ritchie of Maryland said that Federal taxation, including custom and postal receipts, amounted to \$44.66 per person, while in the same year the State Government of Maryland collected from its own people an average of \$10.12 per capita, and he added:

"Why does the Federal Government stretch forth its hand into the State of Maryland and require our people each year to pay it four times as much as we pay our State Government?"

Apparently Governor Ritchie was bent upon trying to create an erroneous impression among people not sufficiently well informed to see the absurdity of some of his statements. The amount of money paid out for postal receipts and at the custom house for importations largely to go into the interior, should certainly hardly be counted as a tax upon the people of Maryland, unless Governor Ritchie wants to abolish all stamps and require the Government to carry all letters and papers free of cost. And he might at the same time suggest that all custom houses be abandoned and no charge be made for importations on any foreign goods. But since Governor Ritchie has asked the question as to why the Federal Government should collect four times as much per capita as we pay to our State Government, we beg to call his attention to a few facts, a proper understanding of which would have kept his hearers from being misled by his line of argument.

Maryland does not have to support an army or a navy or a post office. The Federal Government supports both an army and a navy for the protection of Maryland and of other states, and a postal system for the benefit of all classes.

In 1923 the expenditures of the Government for the Army amounted to \$392,733,000; for the Navy, \$333,201,000; for the Interior Department, \$354,623,000; for the United States Veterans Bureau, \$461,719,000; for interest on its public debts due to the War in defense of Maryland as of other states, \$1,055,000,000; for railroads, \$100,618,000; a sinking fund for the redemption of its bonds, \$284,000,000; internal revenue, \$125,000,000; Department of Agriculture, \$128,744,000.

These are Federal Government expenses for the good of the entire country, and individual states are not in any way whatever called upon for such expenditures. Necessarily the aggregate taxation is very heavy, for the Federal Government cannot pay the interest on its bonded indebtedness due to the War, and the enormous expense of the War Department, and the Navy Department, and the Veterans Bureau, and pensions, without a taxation entirely unlike what we knew prior to the War and much higher than state taxation. **Indeed, the interest alone on our War debt is now annually about as much as the total annual expenditures of the Government prior to the War.**

But all of this part of the Governor's address seemed to have been for the express purpose of leading up to his berating the establishment of bureaus and commissions in Washington, and on this he said:

"The most outstanding illustration today of the latter class relates to the enforcement of the Eighteenth Amendment. For this purpose the Federal Government has already appropriated \$9,379,770 for the next fiscal year, and the Federal Budget Bureau has just appropriated \$28,500,000."

Now against the expenditure of \$9,000,000 last year for the enforcement of prohibition, Governor Ritchie entirely failed to say that on the other hand the fines and forfeitures and civil collections, and the amounts collected in compromise on prohibition cases, and the taxes on illicit manufacture of intoxicating liquor amounted in 1923 to \$5,095,300. Moreover, these amounts do not include the fines and forfeitures paid when prosecutions are conducted in State courts due to the

congested condition of the Federal Court dockets. In most of the states the prohibition agents, so the Prohibition Commissioner informs us, resort to State Courts because more speedy action can be had by so doing.

We think it hardly necessary to ask Governor Ritchie if for the express purpose of reducing Federal taxation he would eliminate the billion dollars paid as interest on our bonded indebtedness, or the \$284,000,000 laid aside for the sinking fund for the redemption of bonds, and wipe out the expenditures for the maintenance of the Army and the Navy, and the pensions, and the Veterans Bureau, which make up the great bulk of our national expenditures.

Governor Ritchie expressed the thought that "Maryland should come to be recognized everywhere as a model among the States of the country." What a blessed thing this will be when Maryland becomes worthy of that high position. But if Governor Ritchie would concentrate his abilities and his energies upon blotting out the racetrack gambling business of the state and enforcing the laws, so that Maryland should become noted for obedience to law rather than for the violation of law, as at present, then indeed Maryland might perhaps become a model for others to follow. But we are afraid that until Governor Ritchie is willing to bend his energies to the obliteration of the racetrack gambling curse which rests upon the state, and its influence upon political affairs, and in the same spirit is ready to uphold the national laws, other states will hardly be willing to take fair Maryland as a model.

## "EUROPEANS TURN TO FLORIDA."

THE New York Herald, under the above heading referring to the trend of winter population both from Europe and from this country to Florida, said:

"Americans have long known that they were fortunate in having such beaches and sunshine, comfort and fashion as Florida offers for the winter vacation. During recent years the realization of this fortunate possession has been so strong that early winter finds the stream of travel already set in that direction. With native enterprise there has come into existence every aid to luxury during such a winter sojourn in Florida.

"Foreigners have been learning of the unusual beauties of the Palm Beach, Miami and Tampa regions through their own eyes and from those who have been there. There are coming to Florida in increasing numbers year after year Europeans who find the steady summer warmth of southern Florida immensely preferable to the fluctuating temperatures of southern France. Palm Beach, which has now become a brilliant winter capital and the center of social life, is the Mecca of these European visitors.

"Residents of our own country east of the Rockies are taking up winter residences in Florida in ever increasing numbers. The building of costly villas, some of them veritable mansions, in Palm Beach has converted what was but a few years ago a winter seaside hotel place into a city of beautiful homes."

It is not simply Palm Beach and Miami and Tampa, as mentioned by the Herald, in which this remarkable development is taking place. There are a dozen or more other towns and cities of Florida which are commanding the attention of many of the great capitalists of the country as winter homes, while thousands of people of moderate means are likewise locating in these cities.

Stretching all the way down the coast from Jacksonville to Key West and across the state from Jacksonville to Tampa, and beyond and down through what is known as the Ridge Country where high rolling lands are found, there is a degree of activity in settlement and home building which gives assurance of that state becoming one of the great centers of population and wealth of the entire country.

## PAR CLEARANCE AS SEEN BY AN ALABAMA BANKER.

The Talladega National Bank,  
Talladega, Ala., January 28.

*Editor Manufacturers Record:*

As a small country banker I have never been able to see and understand why there is so much discussion and feeling exhibited over par clearance.

The check is the banker's money. The nearer you can make the check universally used, the less use you have for gold and the more advantage will be reaped by the banker. Toll roads have gone out of vogue as a block to commerce; so should every limitation on the use of the check be eliminated as a direct deterrent influence on commerce. Make the check a courier without luggage, the universal medium of exchange, and the whole world feels the benefit.

If you have each little bank charging exchange, when a serious depression comes, all business becomes clogged and this results in panic, destructive to all commerce.

I can but think this clamor against par clearance is from lack of vision. On this one subject alone it seems to me you are wrong.

HUGH L. McELDERRY, President.

We esteem very highly President McElderry, of the Talladega National Bank, but we think he has overlooked the essential facts in the fight which the MANUFACTURERS RECORD has made in the matter of par clearance. We have repeatedly said that while we believed the banks had a legal and moral right to charge exchange, that the real question at issue was the method adopted by the Federal Reserve Board, under its former management, to force the adoption of the system by coercion.

We would like to ask Mr. McElderry a few questions.

First, does he approve of the immoral and illegal ways in which some Federal Reserve banks carried on their campaign to force state banks to adopt par clearance?

Second, does he approve of the actions of some of these banks through their agents in threatening to break state banks which refused to comply with the demands of the Federal Reserve banks for par clearance?

Third, does he approve of these actions which caused the United States District Courts and the Supreme Court to decide in every case submitted to them against these actions?

Fourth, does he approve of the decision of the Supreme Court of the United States, which said that these acts were "warfare upon state institutions" and in that decision the Court denounced these acts in vigorous language?

Fifth, does he approve of a statement made in a meeting of the Federal Reserve Board and repeatedly published, by a member of the Board, who said that if state banks could not be got rid of in any other way than by breaking them, it would be better to let them break?

We presume that Mr. McElderry has kept in sufficient touch with the points raised by the MANUFACTURERS RECORD against these methods of the Federal Reserve Board to know that the Federal courts, including the United States Supreme Court, have upheld every argument advanced by this paper during the whole controversy. Does Mr. McElderry accept the decisions of the Supreme Court on these points as worthy of complete acceptance by all banking interests?

Does he believe that it was wise for the Federal Reserve System, starting on its career, to so completely dominate by its tremendous financial power the welfare of the country, that it dared to break state banks in order to force them to adopt its methods which were illegal and immoral and which have been so declared by the Supreme Court?

These questions rise very far above the mere matter of par clearance. That is a matter which is open for discussion. Many of the ablest bankers in the country believe thoroughly in the system of par clearance, many equally as strong bankers are opposed to the system.

Toll roads, it is true, have to a large extent gone out of existence, but the toll road had a vested interest which it had a perfect right to maintain, and the states which have

abolished toll roads have bought and paid to the owners of the toll roads a fair valuation for their property. Maryland formerly had many toll roads, but a few years ago the state bought them all and paid full value for them. Mr. McElderry's point, therefore, as to the toll roads having been abolished does not, it seems to us, in the slightest bear upon the effort to destroy exchange on checks, since the banks which have had this right through the ages are not in any way whatever recompensed for the proposed destruction of this legal and moral right by the Federal Reserve System.

Moreover, "a courier" which Mr. McElderry suggests "should be without luggage" would be travelling at a very great disadvantage if he undertook to travel through the world that way. A courier must of necessity carry luggage as a part of his equipment for his message, whatever it may be, to the people of all countries. It seems to us that the illustrations which Mr. McElderry has presented in behalf of par clearance do not at all strengthen his argument, and we are quite sure that he is a man of too much honor and belief in law to favor illegal and immoral methods so vigorously denounced by the United States Supreme Court.

## SOME FACTS WORTH CONSIDERING AS TO BOK AND HIS SCHEME.

[The Tucson (Arizona) Citizen.]

Edward W. Bok seems in a fair way to go down in history as having pulled off the greatest hoax since the Dr. Cook fiasco anent the discovery of the North Pole. Cook's discomfiture upon an analysis of his claims was no greater than the embarrassment Mr. Bok must feel when the public comes to analyze the proceedings in connection with his much touted peace award.

Briefly stated, the story is this:

Mr. Bok, who has been a great advocate of the league of nations, offered a prize of \$50,000, sometimes stated as \$100,000, for the best plan for promoting world peace. Managers of the contest were appointed.

When citizens wrote to these managers for information concerning the conditions of the contest, they received such information from the managers but also received almost immediately in a separate envelope a letter from "The League of Nations Non-Partisan Association" and the "Woman's Pro-League Council" saying that the American peace award had referred the inquirer's name to them as one desiring to compete for the peace prize. These league of nations advocates were anxious to supply data and literature to help in the preparation of manuscripts for submission to the peace award managers.

Thus was proven a close operating arrangement between the managers of the Bok scheme and the league of nations advocates.

The judges chosen were all, or nearly all, known advocates of the league.

There were over 22,100 manuscripts submitted and if the judges passed upon all of them, it would require the reading of one every minute during eight working hours of every day during the time available. These manuscripts were permitted a maximum of 5000 words.

The judges rendered a decision that was declared to be "unanimous," thus making the conclusion unavoidable that each member of the committee had read all the manuscripts and had all agreed that this one was the best out of 22,100. If this was the case, it is the first time in history that a number of men have reached an unanimous agreement in selecting the best out of 22,100 entries in a contest.

It was the understanding that the identity of contestants was to be secret, but while the contest was in progress, Mr. Bok wrote a magazine article in which he declared that some of the most prominent men and women in the country had participated in the contest—thus indicating that some one had knowledge of the identity of some of the contestants.

Out of all these facts some serious charges have grown. Among these are: That the judges were prejudiced in favor of some plan that would involve the league of nations; that league of nations advocates were given special opportunity to place their propaganda in the hands of the contestants; that the judges did not read and consider all the manuscripts; that the whole scheme was but a part of propaganda designed to get the United States into the league of nations.



## GROWTH OF DRUG HABIT WORLD-WIDE.

SOME months ago the MANUFACTURERS RECORD published a remarkably interesting article by Courtenay DeKalb, in which he pointed out that there is a world-wide increase in the use of narcotics, and showed that as this habit is growing in Spain, and France, and other countries where prohibition has not been put into effect, the claim of some of the liquor interests that prohibition has caused the increase of drug use in this country is wholly without foundation. Apparently the liquor people are very much disturbed by these statements because they so completely refute their claims that prohibition is causing an increase in the use of drugs here.

One of Mr. DeKalb's arguments was that this world-wide increase in narcotics has been brought about by under nourishment both mentally and physically. People are getting too much mental or emotional pabulum which has no substantial nourishment in it, and too much highly seasoned food which does not nourish the body any more than motion pictures or similar activities nourish the mental or spiritual side of a man's life.

Indications that the liquor people are fighting this thought are apparently found in the editorials which are cropping up here and there in papers, denying the correctness of Mr. DeKalb's inferences. It would seem that some organization opposed to prohibition is carrying on a campaign to refute the views expressed by him because a general acceptance of his argument would knock out completely one of the claims upon which the liquor interests are founding much of their campaign alleging that prohibition has increased the drug habit.

The world is suffering from an over-developed mental and emotional stimulation. It is fed up on sensationalism in the movies, in legislatures, and in the press. The human mind to a large extent at the present time, taken in the mass, is a fertile field in which to sow the seeds of excitement and stimulation, calling for drugs in some cases and for liquor in others.

Spain and France and England and other countries are suffering in exactly the same way as we are, and their drug habit is increasing so rapidly, notwithstanding the abundance of liquor in these countries, that European statesmen have been seriously discussing calling an international conference to find some way to lessen the drug evil.

To a large extent our modern system of highly seasoned food furnishes to the digestive organs stimulation without proper nourishment, and this, too, causes people to want a physical stimulation, and they turn either to drugs or to intoxicating drinks. But prohibition is not responsible for these conditions.

## HENRY FORD'S EXPANSION ACTIVITIES.

IT is difficult to keep up with the expansion activities of Mr. Ford. Recent reports from Detroit show that the improvements and expansions which he has planned to be carried into effect during 1924 will amount to some \$110,000,000 to \$150,000,000 during the year. A number of these new plants as we have shown from time to time are located in the South, but the center of his operations, of course, is in the Detroit district, where he has developed an iron and steel making plant of enormous capacity which he seems to be expanding almost without limit. The dispatch from Detroit states that one of the industries to be established by him will be a cement plant, with the daily capacity of 1000 barrels made from blast furnace slag, and that this will be used in the building operations of the company.

In view of the enormous expanse of his business, it is somewhat surprising that Mr. Ford has not yet undertaken to establish an iron and steel plant somewhere in the central South. If he would buy some one of the big established concerns, in the Alabama district for instance, or purchase

large bodies of iron ore and coal in that section or somewhere else in the Central South, he would be able to produce steel at a price which would enable him still further to reduce the cost of production.

The spectacular effort which has been made to secure Muscle Shoals for Mr. Ford has probably drawn him away, to some extent, from the study of other water powers in the South, many of which are still available, and also from the investment in the iron and steel making resources of existing companies or through the purchase of property not yet developed.

Mr. Ford is already heavily interested in coal properties in Kentucky, and there have been rumors that eventually he will build a railroad from that section, either to Hampton Roads or to Wilmington. Whether this rumor has any foundation in fact or not, it is impossible to learn but Mr. Ford might very well afford to extend his operations in coal far beyond the Kentucky line and go into the central South on a large scale for coke and iron and steel making, or perhaps, even out into Texas, in itself a mighty empire for the future, and carry out large developments there, for Texas has great supplies of coal and lignite and iron ore.

## TEXAS TURNING TO INDUSTRIAL INTERESTS.

IN the monthly publication entitled, "Texas Opportunities," issued by the Texas Power and Light Company of Dallas, it is said that while California spends hundreds of thousands of dollars each season in great advertising campaigns to advertise its attractions for tourists, "when it comes to opportunities for industrial development we place Texas before all the other states of the Union. While California plays and entertains tourists, Texas is hard at work developing industries within her borders."

It is true, as "Texas Opportunities" says, that that state is turning its attention to industrial development and what limitless possibilities there are for this work! The very size of the state, incomprehensible to the average man, stirs the imagination. Take, for instance, a geographical map, stick a pin through the center of Texas and into Nashville, Tennessee, and the eastern end of Texas will touch Raleigh, North Carolina, and the western end, Little Rock, Arkansas. The northern end will touch Chicago and the southern end the Gulf at Mobile.

Opportunities!—Texas is literally full of them. They are without limit in variety and in quantity. Producing about one sixth of the world's cotton and more than one third of the total output of this country, the trend of cotton manufacturing must of necessity turn Texasward. The vast supplies of oil which are enriching that state and creating many industries are matched in value by the lignites and the coal and the iron ore and the other raw materials as the basis of industrial development. One hardly knows whether to grow more enthusiastic over Dallas or Fort Worth, Houston or San Antonio, or some other town as he studies what all of them are doing and as his vision sweeps across the entire state.

Texas is an empire in area and an empire in opportunities. It is an empire in natural resources, in soil, climate and minerals. In it can be found practically every variety of climate and soil known to any country of the world. On the coast, and to a considerable extent far into the interior, is found the soft, balmy, summer-like atmosphere of perfect June weather, while on the higher ranges, and Texas has the highest mountain peak east of the Rockies, almost any degree of cold that is desired can be found.

The very size of Texas has inspired its people. It has kindled their enthusiasm. It has broadened their horizon. It has made them think in terms of empire development. And now that Texas is turning its attention to industrial interests we may look forward to that state becoming an empire of manufacturing as it is today an empire of agriculture.



## A VISION OF WHAT GOOD ROADS WOULD DO FOR NORTH GEORGIA MOUNTAIN PEOPLE.

A VISION of the possibilities of the development of the people of the mountain country of North Georgia, who, like the mountain people of most of the South, have been backward in their development not for any lack of inherited strength of character, but for lack of opportunity, has been shown in a statement made by Mr. Joseph A. McCord, chairman of the Board of the Federal Reserve Bank of Atlanta.

Some years ago the writer was sitting on the porch of a North Georgia hotel when a poor mountain woman came to the hotel bringing a little produce which she had raised, and because of a lack of a market nearby had walked, as we remember it, between ten and fifteen miles for the purpose of selling what she could carry in a couple of baskets.

That was typical of much of that mountain region. The lack of good highways and of railroads and of industries to furnish employment, arrested the development of these people and left men and women, and boys and girls, who rightly trained would make the best and most law-abiding citizens in this country, without educational or business opportunities.

The MANUFACTURERS RECORD has often said that the greatest missionary of the Gospel and of education is the man who builds a cotton mill or some other industry and creates employment for these people, as in this way he makes it possible for the preacher and the teacher to reach them and lift from them the burden of illiteracy and poverty.

The Southern Banker in its November issue tells an interesting story of a movement made by Mr. McCord, who is looking forward to building highways through the North Georgia mountains for the development of that country and the benefit of its people.

Mr. McCord is the owner of a farm in that section; and, by the way, the mountain regions of North Georgia in many respects match in sublime beauty the mountains of Western Carolina, but comparatively little has been heard about them because they have never been adequately made known to the world. Recently Mr. McCord took a number of Atlanta people on a little pleasure trip to his farm near Dalton, and while there unfolded to them in an address his ambition for the building of a good highway which would open up that country. In the course of this address he said:

"My dream, friends, is a macadamized road beginning at the Alabama line, following these Blue Ridge foothills across Georgia to the Carolina boundaries, bringing the best of civilization to the home of the mountaineer, and the Switzerland of America in reach of all people.

"This road will wind in and out of the hills, uncovering scenes of exquisite beauty, and revealing sites for ten thousand summer homes for the people who spend millions of dollars yearly beyond the limits of our state. Beyond this road are to be lakes, where there are today but wandering streams. On these hills, swept now only by the shadows of the clouds or the circling eagle, are to be great hotels. In the valleys will be found the painted schoolhouse and the churches of all denominations. No longer will we send our teachers and our preachers into the mountains to train the young that they may some day arise and go forth into the world; the new philosophy will teach them that the scenes of their birth have no superior elsewhere; the new philanthropy will bring the world with its market to their doors and teach them how to win from it all that makes and has made the human race prosperous and happy.

"Not to train and disperse these splendid Anglo-Saxons, but to give them a chance to grow strong and happy at home—that is the new dream. They are noble people. They are not law-breakers; the charge that the mountains shelter the 'moonshine' distillers and that the lines of these people are

linked, to any considerable degree, to a system at war with society and the law, is now, and always has been untrue. They are straightforward, honest people whose great misfortune is isolation.

"I do not belittle the missionary idea, but the best earthly helper a missionary ever had is a good road. The first thing civilization does for any country is to build a road through it. Contact is a great lifter, and a great helper; people who mingle develop evenly. The mountaineer can help us, and we can help the mountaineer, but we can't help each other much at long range. What we need is the strength of the mountains; their cooling winds and waters; their beauty to harmonize our disturbed spirits. What they need is the school, and church, the printed word, human companionship and, last but not by any means least, a market at their doors.

"And this is what the great road will bring them. My plan is for 500 Methodists, 500 Baptists, 300 Presbyterians, 200 of other denominations, and 500 unaligned citizens each to give annually \$100 for five years to this great road—in all, \$1,000,000, to which the government will add another million. Two million dollars will go a long way toward building this road. We need look no farther ahead at this time. To start this work I will agree to find enough Methodists to supply their quota. The other churches will respond as promptly. All of them are interested in the mountain work and in no way can a dollar be more profitably spent than in bringing the world of good people up to the cabin door."

May God grant, for the good of the hundreds of thousands of people who would thus be benefitted and for the stimulation which this work would have in causing other people to carry on a campaign similar to Mr. McCord's, that his vision may be realized and his dream come true!

## THE SUPREME COURT DECIDES AGAINST BRANCH BANKS BY NATIONAL BANKS.

ONCE more the Supreme Court of the United States has safeguarded the welfare of the country by deciding against the establishment of branch banks by national banks. This case was based on an effort of a St. Louis bank, contrary to the laws of Missouri, to establish branch banks. The Government joined with the First National Bank of St. Louis in the contest before the Supreme Court, but fortunately the Court's decision was against the Government and against branch banking by national banks in states where branch banking is contrary to state laws.

A statement issued from the office of the Comptroller of Currency says:

"This opinion affirms the opinion of Attorney General Wickersham of 1911, which held that it was unlawful for a national bank to establish a branch bank for the conduct of a general banking business unless such branch were acquired under Section 5155 of the Revised Statutes which permits a State bank having such branches to convert into a national bank and elect to retain the branches. This view of the law confirms the position of the office of the Comptroller.

"Those national banks which have now in operation branch banks acquired under Section 5155 are of course not in any way affected by the above opinion. This applies also to such branch banks as have been acquired through the consolidation of national banks under the Act of 1918.

"The Supreme Court did not have before it for decision the question of the power of a national bank to set up a teller window beyond the four walls of its banking house, or the authority of the Comptroller over the operation of such teller windows. The teller windows here mentioned have no general banking powers and the employees assigned to them are not permitted to exercise any discretionary powers whatsoever

but are confined solely to routine, clerical or ministerial duties. This question of the power of a national bank to extend its teller windows in this manner was not called into question in the *First National Bank in St. Louis v. Missouri*, the case having gone to trial in the State Supreme Court upon an apparently undisputed statement of facts that the bank had established and was operating a branch bank and conducting a general banking business at a location in the city of St. Louis at a distance from the parent bank.

"In further discussing this case the Comptroller said that he had considered the establishment of the branch in question by the First National Bank in St. Louis not only as illegal under the National Bank Act but as bad policy for the bank in view of the wide-spread sentiment in Missouri against branch banking which had found expression in the State laws."

Believing that the system of branch banking if once generally adopted would ultimately lead to the absorption into a few great banks, as is the case in England and in Canada, of practically all of the banking interests of the country, the MANUFACTURERS RECORD has aggressively fought this movement.

It is, therefore, a matter of satisfaction that the position which we have taken on the subject has been upheld by the Supreme Court; and the independent banking interests of the land can once more breathe freely.

### FLORIDA'S PLAN TO FORBID STATE INCOME TAXES IN FUTURE.

AT the last session of the Florida Legislature, by an almost unanimous vote, a proposed Constitutional Amendment was adopted which reads as follows:

"No tax upon inheritances or upon income of residents or citizens of this state shall be levied by the State of Florida, or under its authority, and there shall be exempt from taxation, the head of a family residing in this state, household goods and personal effects to the value of \$500."

At this time when politicians everywhere are seeking to find in how many ways they can devise new and troublesome tax systems, and when states are following the unwise method of the national government in adopting income taxation, it is an interesting thing to find one state proposing to adopt a Constitutional Amendment forbidding any tax upon inheritances or upon the income of residents or citizens of a state. The adoption of this amendment will practically mean that for many years, and possibly for an indefinitely long period, Florida will not put into effect an income tax system, or a tax upon inheritances.

If this amendment is adopted, and the general opinion in the state is that it will be, since it was adopted by the legislature by such an overwhelming vote, Florida will thus announce to the world that it is bidding a hearty welcome to capital. This would be one of the greatest advertisements, or in the language of the day, one of the greatest "publicity stunts," to command the attention of the country ever put forth by any state. It would unquestionably draw many thousands of men of wealth to Florida, not merely men who want to avoid exorbitant taxation, but men who would seek to avoid income tax methods which are inquisitorial to the point of being iniquitous.

Florida has been leading the country in a good many lines of work. If it should lead by the adoption of this amendment, as it probably will do, it would draw many thousands of people to the state, for the very fact that Florida believed in inviting capital rather than in trying to exact every possible dollar from capital, would concentrate the attention of the country upon this movement. That it would be beneficial to the state to a very great extent admits of no question whatever.

### A BAD BREAK.

THE Wall Street Journal pokes some fun at Roger Babson because of a statement which he recently made in regard to cotton, in which he is quoted as saying "there is no actual shortage. \* \* \* Although there is no way of measuring speculation, the foundation under cotton today is not sound."

If that is the best advice that Mr. Babson can give to his readers we would kindly suggest that he refrain from giving further information on a subject about which he is evidently wholly uninformed.

There is a world-wide shortage in cotton, recognized by every intelligent man in the cotton trade and every cotton statistician in the world. All people of that class realize that we are facing a cotton famine world-wide in its extent and influence, Mr. Babson to the contrary notwithstanding.

### ALABAMA POWER CO. AND NEW YORK SOUTHERN EXPOSITION.

THOS. W. MARTIN, president of the Alabama Power Company, in a letter to the MANUFACTURERS RECORD regarding the proposed Southern Exposition in New York, writes:

"We are very glad to know of the proposed Southern exposition to be held at the Grand Central Palace in New York next January. I wish to assure you that we will be very glad to join in any way you may desire with those who are planning the exposition, and I am so advising Mr. Sirrine, and Dr. Joseph Hyde Pratt by this mail. I quite agree with you that such a program will be of great value to the South and we hold ourselves in readiness to be of service in any way we can."

### Eighty Four Per Cent Increase in Georgia's Wealth in Ten Years.

The Department of Commerce announces, for the State of Georgia, its preliminary estimate of the value, December 31, 1922, of the principal forms of wealth, the total amounting to \$3,896,759,000, as compared with \$2,117,410,000 in 1912, an increase of 84.0 per cent. Per capita values increased from \$785 to \$1306, or 66.3 per cent.

All classes of property increased in value from 1912 to 1922, except live stock, which decreased from \$106,430,000 to \$101,764,000, or 4.4 per cent. The estimated value of taxed real property and improvements increased from \$821,580,000 to \$1,783,798,000, or 117.1 per cent; exempt real property from \$83,403,000 to \$170,938,000, or 105.0 per cent; farm implements and machinery from \$23,177,000 to \$39,908,000, or 72.2 per cent; manufacturing machinery, tools, and implements from \$90,429,000 to \$159,411,000, or 76.3 per cent; and railroads and their equipment from \$246,422,000 to \$319,619,000, or 29.7 per cent. Privately owned transportation and transmission enterprises, other than railroads, increased in value from \$129,509,000 to \$169,070,000, or 30.5 per cent; and stocks of goods, vehicles other than motor, furniture, and clothing from \$616,460,000 to \$1,098,762,000, or 78.2 per cent. No comparison is possible for the value of motor vehicles, which was estimated in 1922 at \$53,489,000, because no separate estimate was made in 1912.

It should be borne in mind that the increases in money value are to an extent due to the rise in prices which has taken place in recent years, and so far as that is the case they do not represent corresponding increases in the quantity of wealth.

Plans are being prepared by Edward L. Palmer of Baltimore, for 3 buildings to be erected in the city by the Second Presbyterian Church. The cost is estimated at \$250,000.



## Revolutionary Possibilities in Manufacture of Low Cost Commercial Fertilizer on Large Scale.

[In discussing this extremely important work of the Federal Phosphorus Co., Theodore Swann, president, writes the Manufacturers Record: "The Federal Phosphorus Company, Anniston, is now entering upon its fifth year in the production of phosphoric acid in the electric furnace. This method is a distinct advancement in the industry by which electric power is utilized to supplant the old sulphuric acid method of phosphoric acid production. In the past the greater part of our phosphoric acid output has been used in food products. We are now offering for sale some concentrated fertilizer. The development during the past six months has been greater than in any previous period of the Company's history. We confidently look forward to making greater progress. The results obtained have already surpassed the early expectations and intensive research and development work is being carried on. We are using 20,000 horsepower continuously in our operations."—Editor Manufacturers Record.]

[Special Correspondence Manufacturers Record.]

Birmingham, Ala., February 1.

Distribution of a large tonnage of commercial fertilizer to Southern farmers at a price considerably below present market quotations is forecast, according to chemical experts, in the proposal made to Congress on Monday of this week, by Theodore Swann, President of the Federal Phosphorus Company of Birmingham and associates, Raymond F. Bacon, former director of the Mellon Institute for Industrial Research and Dr. Louis C. Jones, member of the advisory board of the Chemical Warfare Division, United States Army.

The proposal to manufacture commercial fertilizer at Muscle Shoals is supplementary to the offer submitted by associated Southern Power Companies for the Muscle Shoals properties. The fertilizer bid, which was placed in the hands of the Military Affairs Committee of the House Monday and printed in full in the MANUFACTURERS RECORD of January 31, is signed jointly by the Tennessee Electric Power Company, Memphis Power & Light Company, Alabama Power Company, Theodore Swann, Raymond F. Bacon and Louis C. Jones.

The offer agrees, in effect, to organize a corporation with initial capital investment of \$5,000,000 and produce fertilizer to the extent of 50,000 tons of fixed nitrogen annually at Muscle Shoals. This means that the nitrogen equivalent of approximately 2,500,000 tons of the ordinary 2-8-2 fertilizer would be available. This fertilizer will be sold to farmers at the actual production cost plus a maximum net profit of 8 per cent.

Under the terms of the proposal the associated Southern Power Companies contract to deliver at actual cost to the fertilizer corporation for a period of 50 years, one hundred thousand horsepower, and under reasonable notice 40,000 additional horsepower at rates and terms prescribed by the Federal Power Commission. The Government leases to the company, Nitrate Plant No. 1 for 50 years.

Provisions safeguarding the plants to the Government in times of national emergency for the manufacture of explosives are contained in the proposal. Nitrate Plant No. 2 is to be maintained in its present state of readiness as long as the Government desires. The United States has the right, under five days notice, to take over the entire plant and operate it whenever this becomes necessary in the national defense.

Revolutionary possibilities for the manufacture of commercial fertilizers in the South on a big scale and at a low cost to the farmer are seen by many in the new offer. These possibilities are found in the following factors:

**First:** The assurance contained in the supplementary bid of an adequate supply of hydro-electric power, 100,000 horsepower at actual cost and the additional 40,000 at a price to be determined by the Federal Power Commission. Those familiar with the fertilizer industry recognize that available power at a low figure is a fundamental factor in cheap production of fertilizer.

**Second:** The demonstrated ability of the Federal Phosphorus Company to produce high grade phosphoric acid from

phosphate rock in an electric furnace by the electrical precipitation method through processes evolved in Anniston by Theodore Swann and associates. This method was characterized by Albert Phenix in an article written exclusively for the MANUFACTURERS RECORD in April, 1922 as containing "bewildering possibilities in the development of the electrochemical industry in the South" and as having potentialities "nothing short of revolutionary in the field of fertilizer production."

Original investigations made by Mr. Swann with electrical furnaces employed during the war in the production of ferromanganese, led to the discovery of the new method of producing concentrated phosphoric acid. The process consists of charging a mixture of phosphate rock, sand, coke and iron into electric furnaces and treating this charge so as to liberate the phosphorus in the rock. A very strong phosphoric acid is collected, usually about 90 per cent  $H_3PO_4$ . The furnaces for this work are especially designed and patented. The Anniston plant has been expanded from time to time and is now producing large amounts of concentrated phosphoric acid which is being shipped as a liquid and in the form of sodium, ammonium, and calcium salts, the majority of which goes into technical and food-grade chemicals.

Using the highly concentrated phosphoric acid to fix ammonia, the company is manufacturing a concentrated fertilizer which contains as high as 75 per cent plant food. The company is now selling in the open market all grades of fertilizers from complete mixed goods, containing plant food of 16 per cent up to ammonium phosphate which contains 75 per cent plant food. A 16 per cent complete mixed fertilizer contains approximately 12 per cent phosphoric acid,  $2\frac{1}{2}$  per cent ammonia and  $1\frac{1}{2}$  per cent of potash. The concentrated complete mixed fertilizer contains 32 per cent phosphoric acid, 12 per cent ammonia and 12 per cent potash and contains three and one-half times as much plant food as the ordinary mixed fertilizer.

**Third:** The saving in freight rates to farmers in the use of highly concentrated fertilizers with which he can make one ton do the work of three or four tons of the ordinary mixed goods. It is pointed out that one ton of the concentrated fertilizer contains the same amount of plant food as three or four tons of the 2-8-2. When the farmer is brought to the realization of the fact that it is only necessary for him to mix the concentrated fertilizer with dry sand or dirt, it is predicted he will take advantage of it in view of the saving to him in the transportation item and the extra cost of labor in bagging and handling.

**Fourth:** The presence of a big production center for fertilizer in the very heart of the Southern farming section, with advantageous facilities for its distribution.

Should the offer of the associated Southern Power Companies, Theodore Swann, Raymond F. Bacon, and Louis C. Jones be accepted, it provides that the new \$5,000,000 corporation will proceed to complete and operate the industry as soon



as possible after the power for the operation of the plant is available at Dam No. 2. Within a short time thereafter, the farmer of the South should be able to buy at a cost under the existing market the best grade of fertilizer which can be produced to meet his needs.

### Invite Bids on \$500,000 Jail and Criminal Courts Building—Contract to be Let February 15.

Memphis, Tenn.—Plans and specifications for the new jail and criminal courts building to be erected here by Shelby County at a cost of \$500,000, have been approved by the Jail Commission which will receive bids and award contract for the structure on February 15. Separate bids have been invited on the general contract, equipment for the jail, wiring and lighting equipment, heating, plumbing, laundry and kitchen equipment.

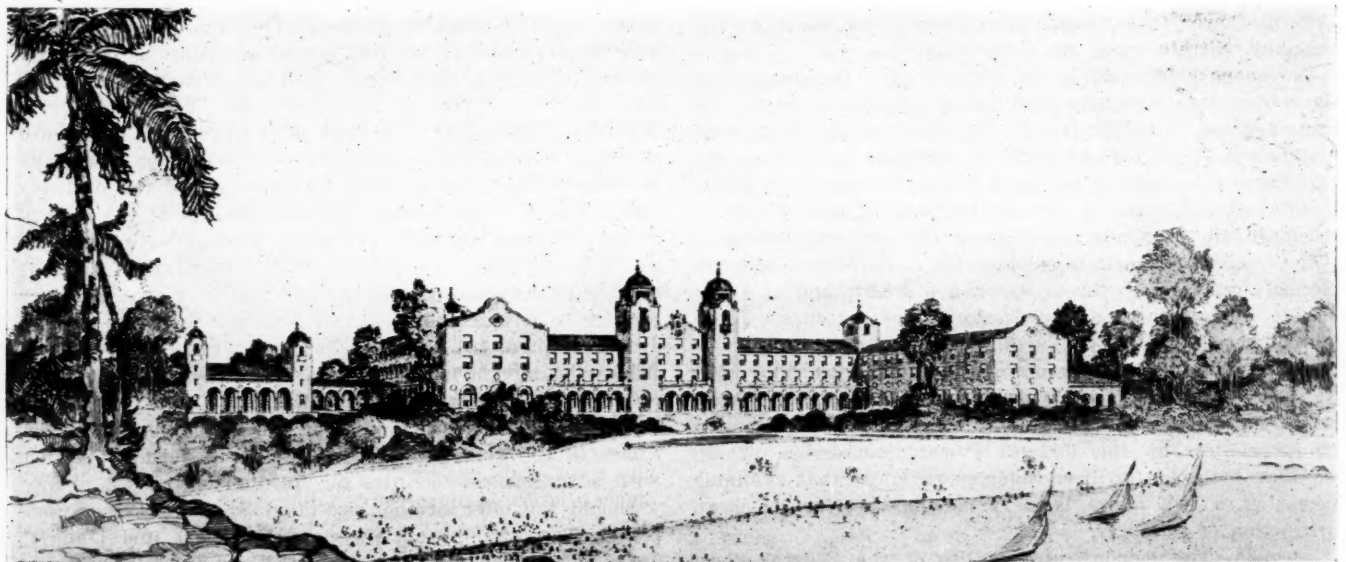
The building will occupy a site facing the courthouse on Washington avenue, extending from Second to Third street, and from Washington avenue north to the alley. It will be 220 by 55 feet, five stories high, four stories to be completed at this time, while the fifth story, except its central space, will be left unfinished for the purpose of providing space for future expansion of the jail. The building will be fire-proof, of steel and reinforced concrete faced with cut stone and covered with a tile roof. A rotunda in the center of the second floor will be provided with a marble stairway leading from the lobby below, and with marble-finished walls and floors.

Jones & Furbringer of Memphis are the architects for the building.

### \$1,000,000 Hotel for Oldsmar, Florida.

Plans are being prepared by Preston J. Bradshaw of St. Louis for a \$1,000,000 hotel to be erected at Oldsmar, Fla., by Charles P. Bland and Alexander M. Cornwell, both of St. Louis. The hotel will be known as the Lafayette and will be erected on the unit plan in order to permit expansion as needed. It will be the third hotel of the Bland-Cornwell chain, the other two being located in St. Louis. Plans call for a building of Spanish design, 250 rooms, spacious courts and patios. Work on the first unit is expected to begin in the early spring.

In connection with the hotel, there will be a private bathing beach, yacht basin and pier. An eighteen-hole golf course has been laid out east of the hotel site and work on this will start within two weeks. Wayne E. Stiles of Boston, Mass., is the landscape architect.



HOTEL LAFAYETTE TO BE ERECTED AT OLDSMAR AT COST OF \$1,000,000.

### But Even a Small Quantity Sold at "Dumping" Prices Might Break the Whole Market.

New York, January 21.

#### Editor Manufacturers Record:

Your articles on the subject of cement prices and imports of Portland cement have been read with interest by us.

We are in agreement that considering all underlying factors, the prices at which the domestic factories have been selling their cement have not been excessive.

On the other hand, speaking for ourselves, the reason that we have been able to compete in this market with European Portland cements cannot be found in an attempt on the part of our sources of supply to dump their surplus production in this market, but rather in natural causes.

Take for instance the Danish Portland cement which we are principally selling. The quality is second to none and as all of the factories are situated at deep water so that even very large ocean vessels can dock right at the factory and load, these two factors alone naturally place us in a favorable position to compete.

But why get excited over the fact that Portland cement is being imported into this country?

If you will investigate the matter thoroughly, you will find that total importations do not amount to 1 per cent of the domestic production and shipments, and it can hardly be contended that the European competition is or will be injurious to the domestic industry.

BLOCK, GRIMMELMAN & Co., INC.

### New \$600,000 Hotel Planned for Texarkana.

Texarkana, Ark.—At a recent meeting of Texarkana citizens, subscriptions to an aggregate of more than \$600,000 were recorded for the erection of a large and modern hotel here. The new building will be located on the Schwarz Park grounds north of Third street, between State Line avenue and Pine street. It will be an eight-story structure, of stone, steel and brick, and will contain 200 rooms. Mann & Stern of Little Rock are the architects. Contract for construction has not yet been awarded.

Seventeen directors have been nominated, including F. E. Pharr, John J. King, Arthur Temple and others, and formal organization of the company is expected to be effected within a few days.

Landreth Gasoline Co., of Breckenridge, Tex., is reported to have ordered 50 tank cars of 8000 gallons capacity from the General American Tank Car Corporation.

## The Muscle Shoals Situation and Its Meaning to the South.

In a letter to President Edgerton of the Tennessee Manufacturers Association under date of February 2, the editor of the MANUFACTURERS RECORD wrote as follows:

"I am in receipt of a letter from Daniel E. McGugin in which he states that you have appointed a committee to study and compare the various offers for the operation of Muscle Shoals. I have therefore taken the privilege of writing to Mr. McGugin my views on the subject, and enclose herewith a copy of my letter.

"I regard this situation as of such tremendous interest to the South and to the whole country, that I shall deem it a very great misfortune if the Government should fail to accept the offer made by the nine Southern power companies; and in connection therewith the offer for the production of nitrates and fertilizers by Mr. Swann and those associated with him. If you are not entirely familiar with the almost miraculous achievements made by the Federal Phosphorus Company of Anniston during the last year or two, which give assurance of success in carrying out a still larger development for the manufacture of fertilizers, it would I think pay you to meet Mr. Swann and go through his plant.

"Every man interested in the welfare of the South should have at heart this whole Muscle Shoals situation as it now stands, and after a thorough investigation reach the conclusion which he believes to be for the best interests of the whole South, then throw his whole soul into the fight for that side, whatever his decision may be.

"My study of the matter has made me believe that the offer of the nine companies, and in connection therewith the offer of Mr. Swann and his associates, is so far and away beyond any other offer that has been made, that I am deeply interested in its acceptance by the Government."

The letter to Mr. McGugin follows:

"I am very much interested in the fact that President Edgerton has appointed a committee of manufacturers to study the propositions made in regard to the utilization of Muscle Shoals. In this week's issue of the MANUFACTURERS RECORD you will find an editorial on the offer made for the production of fertilizers in connection with the offer by the Southern power companies. You will also note a letter from the Mayor of Mobile addressed to President Coolidge on the subject, and a letter from Charles W. Howard, manager of the Industrial Board of the Chamber of Commerce, Chattanooga.

"Shortly after the organization of the Alabama Power Company I had a long talk with the first president, Mr. Mitchell, who though an American had represented some large interests in developing properties in many parts of the world. He had had the opportunity, therefore, of a very comprehensive study of other countries, and though I thought I knew something about the South and its resources he pictured the possibilities of this region with Muscle Shoals as its central point, in more glowing terms than I had ever heard before.

"The Alabama Power Company at that time proposed to develop Muscle Shoals as one of its later enterprises after it had got well under way in carrying through its formative plans, and even then Mr. Mitchell called my attention to the plans which they were making for bringing great hydro-electrical chemical industries into the central South, and the manufacture of fertilizers.

"You probably remember that an arrangement had been practically made for the building of a large cyanamid plant in Alabama in connection with the work of the Alabama

Power Company, but that through a failure to secure the necessary privileges the promoters of this plan built in Canada instead of Alabama, and it was lost to the South by legislative action in Washington.

"I am mentioning these facts as showing that from the very beginning of the work of the Alabama Power Company the manufacture of fertilizers, or the fixation of nitrate from the air, was one of the primary plans of the company. The successors in the management of the company after President Mitchell's death, I believe have always been looking forward to carrying out the same line of activities which he had proposed, and I imagine but for the War, which interrupted all kinds of enterprise, the manufacture of fertilizers or the fixation of nitrate, would long ago have been brought about.

"You will probably be interested in the fact mentioned in the editorial in this week's issue of the MANUFACTURERS RECORD, that the Federal Phosphorus Company of Anniston, Ala., through the co-operation of the Alabama Power Company, has revolutionized the making of phosphoric acid and made it feasible to decrease very greatly, possibly to cut in half, the cost of fertilizer manufacture.

"In the same way, through the co-operation of the Alabama Power Company, calcium arsenate is to be made at Montgomery, the Alabama Power Company having furnished at a nominal cost of \$1.00 a year, I think, a large building available for this purpose, and it is also providing the electric power.

"With these efforts under way it was but natural, as soon as the Federal Phosphorus Company had fully demonstrated its ability to produce phosphoric acid at so low a figure, that the Alabama Power Company and its affiliated interests should stand ready to make a proposition in connection with Muscle Shoals which it seems to me is far and away beyond the proposition made by Mr. Ford. Indeed, Mr. Ford's refusal to appear before the congressional committee and explain in detail his proposition and definitely guarantee what he would undertake to do, is to my mind an indication of very great weakness, and a rather lordly assumption of superiority over even Congress.

"I am not at all unmindful of the almost phenomenal power of Mr. Ford in the creation of one of the greatest industries on earth and of the value that this has been to the public; and when his proposition was first made, and since then, I have given full credit to him for awakening the nation-wide interest in Muscle Shoals and its potentialities not only for the general development of hydro-electric power, but as a central point for the production of nitrates and the manufacture of fertilizers.

"In the talk to which I have already referred of my having had with President Mitchell just after the Alabama Power Company was organized, he pictured the possibilities of the territory, sweeping from the Carolinas to the Mississippi with Tennessee and Alabama as a central point, as in his opinion the most richly endowed region on the face of the earth for agricultural, general industrial, and hydro-electrical chemical industries. Having this statement in mind I have, therefore, watched with very great interest the offer which the Southern power companies have made, since in a union of this kind increased influence and strength would be given to all of the work which could be developed by the fullest utilization of Muscle Shoals. If their offer should be accepted by the Government we would have at least nine of the greatest hydro-electric companies in the country unitedly working for the material upbuilding of the South. They would have to



throw into this work the utmost activity of all the influences which they could control in bringing new industries to the South, in creating new electro-chemical enterprises, and in every line of development which would inure to the best interests of the great territory covered by their network of transmission lines.

"It seems to me that no enterprise ever projected in the South had one-fifth, or scarcely one-tenth of the influence for good which would have to be put into effect by this combination in order to bring about such development as to make certain of the profitableness of the offer which they have made to the Government. In my opinion the power for good to the whole South of this offer is so far and away beyond any possible good that could come from concentrating in the hands of one man, even Mr. Ford, so great a wealth-creating potentiality as is Muscle Shoals, that I cannot understand how there can be any question as to which is the more desirable proposition for the welfare of the country, and the good of the Government at the same time."

### The World Cotton Situation.

The Department of Commerce in co-operation with the Department of Agriculture, has issued a preliminary world raw cotton survey for the four months ending November 30, 1923. The estimates are based upon information obtained from the representatives of the Department and from consular officers abroad, from official reports, and from reliable trade sources.

ESTIMATED WORLD'S SUPPLY AND DISTRIBUTION OF COTTON  
Four months ending November 30, 1923.  
(Bales of 478 pounds net.)

	American Bales	All Kinds (including American) Bales
Stocks July 31, 1923.....	3,065,000	6,341,000
Production for commercial use for the 1923-24 season*.....	10,081,000	18,075,000
Total supply .....	13,146,000	24,416,000
Consumption during the four months ending November 30, 1923	3,710,000	6,310,000
Supply on November 30, 1923†...	9,415,000	18,185,000

\* The production figures represent estimated total crops, with the exception of India and China, where only the cotton produced for mill consumption and export is considered, cotton used in household consumption not being included.

† The estimated supply on November 30 was arrived at by compilation and includes stocks in mill, ports, and warehouses; also cotton estimated to be elsewhere. The latter quantity was obtained by deducting the cotton accounted for up to November 30 from the estimated crops.

If the supply on November 30 is obtained by subtracting the consumption from the total supply the resulting figures will differ somewhat from those given here because it is not possible to get a complete balance on account of insufficient data.

### Importation of Linseed Through Jacksonville.

According to the Florida Times-Union of Jacksonville, arrangements have been made for importation through that port of 250 tons of linseed from Argentina, reported to arrive here in March, and consigned according to this report to the Elberton (Ga.) Cottonseed Oil Mills. It is reported that the Southern Railway Company has for some time been trying to interest the cottonseed oil mills in the Southeast in the importation of flaxseed for crushing in cottonseed oil mills during the time of the year in which these oil mills are usually idle.

### More Hogs Slaughtered in 1923.

More than 10,000,000 hogs were slaughtered under Federal meat inspection during the calendar year 1923 than in any previous year, according to the Bureau of Animal Industry, Department of Agriculture. The total number was 53,333,708. The best previous record for a calendar year was in 1922 when 43,113,629 hogs were slaughtered.

## \$13,000,000 POWER DEVELOPMENT IN MARYLAND.

### Consolidation of Three Companies Planned to Permit Construction of Four Dams and Three Power Plants.

Following application of the Youghiogheny Hydro-Electric Co. to the Maryland State Tax Commission for a charter of incorporation with an authorized capital stock of \$13,000,000, this company, together with the Youghiogheny Power Co. and the Youghiogheny Water & Electric Power Co., has applied to the Public Service Commission for authority to transfer all franchises and properties of the companies to the Youghiogheny Hydro-Electric Co. Permission has also been requested for authority of the consolidated company to issue \$7,750,000 of securities.

The petition states that the first two companies mentioned are now actively engaged in developing water power of the Youghiogheny River and its tributaries in Garrett County, Maryland, and are undertaking the construction of four dams and three power stations, embracing the Sand Run development, Swallow Falls development, Deer Creek development and Crellin developments, water to be taken from the Deer Creek dam by conduit to the Swallow Falls power house. Crellin dam will serve chiefly as a reservoir to supply water to the other three developments during dry seasons.

The Deep Creek development will consist of an earthen storage dam with a concrete core wall about 75 feet high, and will have a storage capacity of 3,750,000,000 cubic feet. Stored water will be carried through a concrete conduit of horse-shoe shape, 9 feet in diameter, to a power house on the east bank of the Youghiogheny River, near the mouth of Hoyer Run. A maximum head of 437 feet will be available. The conduit leading from the intake at the dam to the surge tank at the top of the hill back of the power house, will be about 700 feet long. From this point the conduit will be a steel pipe 9 feet in diameter and 1000 feet long, and will serve 212,000 K. V. A. hydro-electric units.

The power house for this development will be constructed in units and when the Swallow Falls development has been completed, the Deep Creek station will be enlarged to accommodate two more units. This development is designed to produce 41,000,000 kilowatt hours annually, while the total carrying capacity for the combined development will be in excess of 76,000 kilowatts and will produce more than 300,000,000 kilowatt hours annually. Charles B. Hawley & Co., Inc., of Washington, D. C., are the engineers.

Temporary offices of the Youghiogheny Hydro-Electric Co. are at 825 Equitable Building, Baltimore, care of I. W. Smith.

### Alabama Power Company Shows Large Gains.

The Alabama Power Company, Incorporated, reports for the twelve months ended December 31, 1923 total gross earnings of \$7,863,293; increase as compared with the year 1922, \$2,117,972; operating expenses and taxes, \$4,278,220; increase, \$1,283,621; net earnings, \$3,585,073; increase, \$834,351. The figures for the month of December show total gross earnings for the month, \$740,926, increase as compared with December of 1922, \$157,302; operating expenses and taxes, \$410,566; increase, \$71,015; net earnings, \$330,360; increase, \$86,287. These statements cover the combined operating earnings and expenses of all properties.

The physical property of the Piedmont Wagon & Manufacturing Co. of Hickory, N. C., has been purchased by Daniel E. Rhyne for \$425,000 and will be operated as a private enterprise. E. P. Rhyne is manager of the plant.



# Conservation and Development of Forest Wealth and Its Relation to Southern Progress.

By JOSEPH HYDE PRATT, President, Western North Carolina, Inc.

Savannah, Ga., February 1.

The Sixth Southern Forestry Congress held here from January 28 to 30 was marked by several outstanding events, including special messages to the Congress from President Coolidge and Secretary Wallace; an exceptionally strong plea by Governor Walker for the classification of land as the principal step in reforestation, and for the protection of forests from fire; the address of Col. Greeley, Forester of the United States, who pointed out the way for preserving and restoring the naval stores industry of this country; and participation in the discussions of the several topics by prominent men and women interested in mercantile business, banking, agriculture, horticulture, law, transportation by rail and ship, newspapers and periodicals, women's organizations, etc., as well as those interested in lumbering, naval stores, the profession of forestry, and the like.

The number of states represented and the number of persons attending was the largest of any Congress yet held. The following states were represented:

Maryland, Virginia, North Carolina, South Carolina, Georgia, Alabama, Florida, Mississippi, Louisiana, Texas, Arkansas, Missouri, Tennessee, Illinois, Ohio, Wisconsin, Pennsylvania, New York, Delaware, and the District of Columbia. The total number attending was about 300.

The writer as Chairman of the Executive Committee, reported that the Southern Forestry Congress had been incorporated under the laws of the state of North Carolina with two hundred charter members and that its general office is at Asheville, N. C.

The sessions of the Congress were held in Gregory Hall of the City Auditorium, appropriately decorated with long leaf pine, thus symbolizing one of the purposes of the present Congress—that of insuring the perpetuation of this tree and the naval stores industry of the South.

The program as carried out marks a definite forward step in the work for forest conservation. The first day was devoted principally to the discussion of the naval stores industry. Speaking on this subject, L. D. Pringle, Vice-President, Gillican-ChIPLEY Co., Inc., Biloxi, Miss., said:

"One of the most effective measures that could be applied for conservation of the present timber tracts is to prohibit by law the cutting or chipping of any trees measuring less than ten inches in diameter at a height of fifteen inches from the ground."

H. L. Kayton, Vice-President, Carsons Naval Stores of Savannah, in discussing "Can the Factor Prevent Reckless Turpentine?" said: "The factor must take upon himself the duty of educating his clientele in the desirability and necessity of fire prevention, and creating among the naval stores producers a sentiment in favor of a state organization for forest fire control. Therein lies the hope for permanency of the industry."

Thomas Gamble, editor of the Naval Stores Review, of Savannah, brought out some very interesting points in regard to what must be done to perpetuate the industry, and its importance to the Port of Savannah.

Others taking part in the discussion were Dr. F. P. Veitch, Washington; C. O. Brown, Tampa, Fla.; A. V. Wood, Brunswick, Ga.; A. S. Carr, Bainbridge, Ga.; J. G. Pace, Pensacola, Fla.; O. H. L. Wernicke, Gulf Point, Fla.; and J. Spea of New Orleans.

Bonnell H. Stone, President of the Congress, and of the Pfister & Vogel Land Co., Blairsville, Ga., branded forest

fires as the greatest enemy of reforestation and advocated legislation that will help prevent such fires, and the creation of a universal educational force to arouse the public to the absolute necessity of protecting the forests from fire.

Miss Eloise Gerry, of the Forest Products Station, of the U. S. Forest Service of Madison, Wis., discussing "What Goes on Inside a Turpentine Tree," told the ways in which the tree is affected favorably or unfavorably by turpentine, and of the good and bad methods of the turpentine industry.

Col. W. B. Greeley, Forester of the United States, in his talk, "France Points the Way to America," described how that country had rehabilitated and built up a naval stores industry second to none.

"Turpentine camps in America are mostly temporary structures with labor problems due to a shifting labor," he said. "France has a system of turpentine villages, permanent in construction, and with practically no labor trouble due to the steady employment. The French have a basis of timber production rather than timber mining. We are today at the same place France was 100 years ago in regard to forestry and timber when she had to begin conservation. The French climate, soil and pine are not as good as ours but the secret of their success is their acceptance of the fact that timber growing comes first and there must be a continuous crop."

Col. Greeley stated that France has given America an example of a man-made forest of two million acres from a desert. "You can't find a better example of conservation anywhere," he said.

"Forestry and the South's Business" was another topic that received very careful consideration.

O. H. L. Wernicke, President, Pensacola Tar and Turpentine Company, Gull Point, Fla., emphasized the need of publicity in arousing the public to a realization of the need of protecting forests. R. W. Bennett, Secretary, Standard Container Manufacturers, Jacksonville, Fla., called attention to the enormous amount of wood used in containers for citrus fruit and the necessity for cultivating trees to insure the future supply of wood necessary for their manufacture.

H. M. Curran, Extension Service Specialist, Raleigh, N. C., discussed plans that were being used in North Carolina to encourage the farmers in production of wood, characterized by him as "the surest crop on the farm."

That the banks and trust companies of the country are deeply interested in forestry was strikingly brought out by the talk of Eliot Norton, of the Interstate Trust & Banking Company of New Orleans, who said: "There are bills before Congress to promote reforestation, and the Forestry Congress should send a representative committee to Washington to urge their passage. There are various difficulties in financial loans for reforestation, but these can be surmounted. The Forestry Congress should appoint a financial expert to study all questions relating to reforestation and assist lumbermen and others in presenting propositions for loans to banks. Ways and means can be devised. The banks identified with the lumber industry can be depended upon to do their part."

Shippers at South Atlantic ports have likewise become interested in the relation of forestry to port development, declared Matthew Hale, President, South Atlantic Maritime Corporation, Washington, speaking on, "Forest Fires—a Menace to the South Atlantic Ports."

David L. Goodwillie, Chairman of the National Forestry Policy Committee, U. S. Chamber of Commerce, Washington,

D. C., in discussing "Forestry—a Problem for All of Us," said: "The men of the 33 non-producing timber states are largely responsible for the threatened scarcity of timber, and it behooves us to clean house and make our states grow trees. This is not the case of the other fellow, it is the case of a whole people getting busy and each man doing his share."

Mr. Goodwillie outlined a general program as follows:

Authorize the U. S. Forest Service to take over lands unfit for any crop but a forest crop. Amend the Weeks law to increase its usefulness and expand its fields of work and not confine it to lands at the headwaters of streams. Authorize the U. S. Forest Service to extend its National Forest holdings. Increase appropriations for the protection of forest and fire.

Mrs. Mary A. Jones, President of the Jones Lumber Co., Savannah, Ga., urged enlisting the support of women to advance reforestation plans.

Governor Clifford Walker, of Georgia, emphasized the necessity for the classification of land and of working out a just system of taxation to encourage cultivation of trees for our future supply of lumber by individuals and lumber companies. He urged the passage by Georgia of such legislation as is necessary to enable the people of Georgia to grow trees.

President Coolidge sent a message to the Congress in a letter to the writer as Chairman of the Executive Committee.

Among the resolutions passed by the Congress were the following:

To urge the passage of the McNary bill in Congress.

To urge support of forest research work.

To urge the Southern states immediately to adopt forestry legislation, and to recommend that the Alabama law be the basis for operation.

To endorse the work of the American Forestry Associations and pledge the support of the Southern Forestry Congress, and to urge that the schools of the Southern states subscribe for the publication of the American Forestry Association for their libraries.

To have a committee representing the Southern Forestry Congress meet in Washington to aid in hastening the enactment of forestry legislation.

To urge the elimination of wasteful methods of cupping and to urge the adoption of careful and less wasteful methods.

To urge Congress to extend the National forests, and to urge passage of the bill introduced in Congress by Senator William J. Harris to establish the Benning National Forest.

The following officers were elected for the ensuing year: President, J. S. Holmes, State Forester of North Carolina, Chapel Hill, N. C.; Vice-President, Herbert L. Clayton, Savannah, Ga.; Secretary and Treasurer, C. H. Harmon, of Atlanta, Ga.; Chairman of Executive Committee, Joseph Hyde Pratt, Chapel Hill, N. C.

### **\$250,000 for Warehouse and Dock Facilities.**

Memphis, Tenn., February 2—[Special.]—For the erection of warehouses and docks, the Wheeling Steel & Iron Co. of Wheeling, W. Va., has purchased two acres of land at Memphis. Its river shipping facilities here are to cost approximately \$250,000. Shipments of steel are to be made from the various plants of the company along the Ohio River by boat and transferred to railroads at Memphis where they will be reshipped to southern and western markets.

### **Two Baltimore Insurance Firms Consolidate.**

Two of Baltimore's leading insurance firms—the Maury & Donnelly-Williams Co. and Parr & Parr—have consolidated their interests in a new organization which will be known as Maury, Donnelly, Williams & Parr. Alterations are being made to the Donnelly Building to provide facilities for the new company which will represent a number of insurance firms in this and other countries.

### **Cotton Exports Running Ahead of Last Season by 575,000 Bales, Further Curtailing Supply of American Mills.**

There was no particular outstanding feature of the cotton trade for the week ending February 1, reports the Agricultural Department, excepting possibly the full export figure for the week which now makes the total exports so far this season about 575,000 bales above the figures for the corresponding period last season. Trade conditions in textiles were looked upon as a little more optimistic both in America and Europe. It is now quite evident that both consumption by American mills and exports will have to fall off considerably for the remainder of the six months, January to July, in order to make supplies fit the situation.

Exports for the week amounted to 146,536 bales, compared with 71,967 bales during the previous week and 132,322 bales for the corresponding week in 1923. Exports from August 1 to February 1, amounted to 3,946,708 bales, compared with 3,342,207 bales for the corresponding period last season. Figures include exports to Canada to December 31.

Certificated stock at New York on February 1, was 153,926 bales. Total stocks of all kinds at New York were 165,814 bales.

#### **COTTON MOVEMENT FROM AUGUST 1, 1923 TO FEBRUARY 1, 1924.**

	1924 Bales	1923 Bales
Port receipts .....	5,336,323	4,510,748
Port stocks .....	874,216	913,015
Interior receipts .....	6,258,788	6,184,116
Interior stocks .....	944,868	1,150,906
Into sight .....	9,174,710	8,825,297
Northern spinners' takings .....	1,264,373	1,536,653
Southern spinners' takings .....	2,750,300	3,066,027
World's visible supply of American cotton .....	3,030,084	3,359,121

### **Alabama's Wealth Over \$3,000,000,000—A Gain of Nearly 52 Per Cent in Ten Years.**

In a preliminary estimate by the Department of Commerce, the principal forms of wealth in the State of Alabama, on December 31, 1922, was given at \$3,002,043,000, compared with \$1,977,218,000 in 1912, an increase of 51.8 per cent. Per capita values increased from \$896 to \$1244 or 38.8 per cent.

All classes of property increased in value from 1912 to 1922 except live stock which decreased from \$86,921,000 to \$84,718,000, or 2.5 per cent. The estimated value of taxed real property and improvements increased from \$856,621,000 to \$1,308,247,000, or 52.7 per cent; exempt real property from \$77,040,000 to \$111,625,000, or 44.9 per cent; farm implements and machinery from \$17,813,000 to \$26,821,000, or 50.6 per cent; manufacturing machinery, tools, and implements from \$95,250,000 to \$160,989,000, or 69 per cent; and railroads and their equipment from \$240,989,000 to \$295,534,000, or 22.6 per cent. Privately owned transportation and transmission enterprises, other than railroads, increased in value from \$65,269,000 to \$138,895,000, or 112.8 per cent; and stocks of goods, vehicles other than motor, furniture, and clothing from \$537,315,000 to \$841,718,000, or 56.7 per cent. The value of motor vehicles in 1922 was \$33,496,000.

The department calls attention to the fact that the increases in money value are to an extent due to the rise in prices which has taken place in recent years and so far as that is the case they do not represent corresponding increases in the quantity of wealth.

### **To Make Industrial Survey.**

A report from Atlanta says that Lockwood, Greene & Co., industrial engineers, Boston, Mass., have been engaged by the Seaboard Air Line to survey the territory served by that system with regard to its potentialities for industrial development.



### RESTORING THE WASTE PLACES.

#### Some of the Forestry Practices Employed in Louisiana by the Great Southern Lumber Company.

By reason of direct seeding and planting there are now five million or more growing seedlings on 5500 acres of cut-over land owned by the Great Southern Lumber Co. of Bogalusa, La.

The method of planting by plowing furrows at intervals of eight feet for both seedlings and seeding is principally in use by the company. Close utilization of logged off land where seed trees were not conserved makes plowing with one-horse steel-beam turning plows comparatively easy and inexpensive.

A nursery capacity of growing four and one-half million

plants is being prepared for next season's planting program. Thirty thousand acres of land have been fenced with good stock-proof wire fencing. This fencing is in five units, but well blocked, and represents 62½ miles. It costs on an average of \$222.83 per mile or a total of \$13,227.13.

A crew of men are kept constantly on patrol duty against fire, and the number is increased during the winter months, which is the most dangerous fire season in the Southern pine region.

On all non-agricultural lands logged off since July, 1920, seed trees have been left at an average rate of 2.6 trees per acre.

The major portion of the company's forestry projects anticipates a second-growth by reason of fire prevention and natural reproduction rather than by artificial plantings.



PLOWING FURROWS 8 FEET APART FOR DIRECT SEEDING AND PLANTING..

#### \$1,800,000 Purchase of West Virginia Coal Properties.

Fairmont, W. Va.—The purchase of coal properties in northern West Virginia by the Hunter Crucible Steel Co. of Cleveland, Ohio, for a consideration of \$1,800,000, has been announced here. Properties involved comprise a total of 4064 acres of land and three developed mines in Upshur, Webster and Nicholas counties.

The purchase includes the Excello mine of the Hesper Coal & Coke Co., with 764 acres of Kitanning coal land; Pittsburgh mines Nos. 1 and 2 of the Philmont Coal Co., with 600 acres of land in Upshur County near Buckhannon, and a tract of 2700 acres of land in Nicholas and Webster counties from the Stanfield Coal Co. of Clarksburg, these three companies being kindred interests, with L. O. Knipp of Philadelphia, president.

It is thought the purchasing company will operate the mines on an open shop basis.

#### \$350,000 Building for Negro Organization at St. Louis.

St. Louis, Mo.—Property at the corner of Ewing and Pine streets in this city has been purchased from J. L. Schertz of St. Louis, by Our Community League, an organization formed by twenty-five negroes, who plan a community building to cost \$350,000. The site measures 180 by 131 feet, and it is stated that a fireproof building will be erected of brick and terra cotta.

It will be four stories high, with twelve stores on the ground floor. There will be an auditorium, theater, clubrooms,

gymnasium and other facilities, in addition to a roof garden. It is the purpose of the organization to provide a recreational center and it is expected that the building will be completed within six months.

#### Contract Let for \$700,000 Power House at Johns Hopkins Hospital.

Contract has been awarded to the Consolidated Engineering Co. of Baltimore, for the erection of the new power house for Johns Hopkins Hospital, the cost of the building and equipment to be about \$700,000. Contracts for all mechanical equipment have also been awarded. The structure will be fireproof, two stories, of steel, brick and concrete, and is designed to supply heat for the entire hospital group, including the proposed School of Hygiene and Public Health. Tunnels under Monument and Wolfe streets will connect the plant with other units. Joseph Evans Sperry of Baltimore, is the architect.

#### Lakeland to Vote on \$850,000 Bonds—Plan \$300,000 Hospital and Other Improvements.

Lakeland, Fla.—Twelve ordinances providing bond issues for as many items of municipal improvements, have been passed by the city commissioners of Lakeland, and March 4 has been designated as the date of an election on these issues, which involve a total of \$850,000. The most important improvements planned include a hospital to cost \$300,000, \$200,000 city hall, \$75,000 public library, \$90,000 for an athletic field, \$55,000 for a jail, central fire station and stockade, \$40,000 for two other fire stations and \$40,000 for an abattoir.

### Trade With Orient Increasing—Now 22 Per Cent of Our Total Foreign Business.

A gain in our trade with the Orient both in exports as well as imports last year is shown by figures compiled by the Department of Commerce. Twenty-two per cent of our total trade was with the Far East in 1923 against twenty per cent in 1922. Our exports to the Orient increased from 14 per cent of our total exports in 1922 to 16 per cent in 1923, while our imports showed a gain of from 28 per cent to 29 per cent.

Principal increases in our exports to the Far East were Japan from \$218,403,482, in 1922, to \$264,124,180, in 1923, an increase of \$46,000,000 principally in raw cotton and reconstruction materials; Australia from \$80,520,340 to \$119,563,835, an increase of \$39,000,000 in automobiles, wearing apparel, textiles and machinery; China from \$100,357,041 in 1922 to \$108,511,378 in 1923, chiefly in wheat; Philippines \$43,298,142 in 1922 to \$49,240,730 in 1923, consisting largely of cotton goods, etc. Only slight increases occurred in our exports to New Zealand, Dutch East Indies and Straits Settlements, while our exports to India remained stationary.

From the regions where our exports gained least, however, we received the largest increase in our imports. The Straits Settlements furnished us with \$60,000,000 more of tin and rubber in 1923, when we bought \$153,790,206, than in 1922, when we bought \$93,764,643 worth of their products. British India, with which our export trade was stationary, increased their sales to us from \$91,151,961 in 1922 to \$127,978,456 in 1923, including large gains in jute, shellac and manganese.

The Dutch East Indies supplied \$20,000,000 more in rubber, cinchona, tea, coffee and spices, increasing from \$34,424,253 in 1922 to \$54,889,401 in 1923, while China shipped us \$53,000,000 more silk, wood oil, wool, furs, and tea, increasing their exports from \$134,609,105 in 1922 to \$187,602,172 in 1923. We increased our purchases of hemp, tobacco, copra, coconut oil and sugar from the Philippines by \$16,000,000, from \$61,747,494 in 1922 to \$77,645,837 in 1923. Our wool and other imports from Australia increased \$6,000,000, from \$35,782,464 in 1922 to \$41,089,001 in 1923, while our imports from New Zealand registered a net increase of \$5,000,000 for the year from \$10,435,865 to \$15,573,389. Our imports from Japan alone showed a decline from \$354,298,198 to \$346,939,531 due to the shipments of raw silk being interfered with by the earthquake.

It is interesting to note that the same countries which show the smallest increases in the imports from us during 1923 registered at the same time the largest gains in their shipments to us. Our exports to India, Straits Settlements and Dutch East Indies increased only \$5,000,000, while our imports from these same countries showed an increase of \$117,000,000, accounting for most of the \$194,000,000 increase in imports from the whole Far East.

### Architects for First Unit of \$2,000,000 Southern Baptist Hospital at New Orleans.

New Orleans, La.—Favrot & Livaudais, Ltd., of this city have been selected as architects for the first unit of the proposed \$2,000,000 hospital here for the Southern Baptist Convention. It is stated that the agreement by which the hospital was awarded to New Orleans provides for beginning construction by December 1, 1924, but it is probable that construction will start on the first unit much earlier. The cost will be about \$500,000.

Members of the building committee include Rev. E. D. Solomon, temporary chairman in the absence of Dr. F. S. Groner of Dallas, Tex.; Louis T. Bristow, Selma, Ala.; E. A. Jennings, Memphis, Tenn., and Dr. P. I. Lipsey, Jackson, Miss.

### ST. PETERSBURG SETTING A FAST PACE IN HOTEL BUILDING.

#### \$3,000,000 in Structures Now Under Way or Recently Completed—Typical of This Class of Construction Throughout South.

As typical of the great activity in hotel construction throughout the South and especially in the state of Florida, three new hotels at St. Petersburg, costing a total of about \$3,000,000, are notable examples. They are illustrated on the opposite page. Two of these structures have recently been completed and the other is now building.

Hotel Soreno, erected by S. Lund & Son, has been completed and furnished at a cost of \$1,500,000. It is eight stories high and contains 265 guest rooms, glassed-in roof garden, radio concert room and roof tea garden. A commodious banquet room will accommodate 600 guests at one time, while a large ball room and convention hall are prominent features.

The building overlooks old Tampa Bay and directly in front of the structure there is a beautiful park. The hotel has a 264-foot frontage on the bay and 206 feet on First avenue. It is of reinforced concrete construction and is thoroughly fireproof. Plans and specifications for the building were prepared by G. Lloyd Preacher & Co. of Atlanta, and the G. A. Miller Co. of Tampa, was the general contractor. A period of ten months was required for its construction.

Hotel Mason has been erected by the Mason Hotel Co. at a cost approaching \$1,000,000 and is modern in all its appointments. This is a nine-story structure, 100 by 150 feet, thoroughly fireproof, and containing 250 rooms with as many baths. It is attractively finished in red brick with marble trimmings and every room has a full outside exposure and view, many of them overlooking Tampa Bay.

The building was erected especially to meet the requirements of season guests and will be conducted on the American plan exclusively. It is under the management of Sherman Dennis, who is also manager of the New Monterey Hotel at North Asbury Park, N. J. The main lobby faces on First avenue and extends back 100 feet. On each side of the lobby there will be a number of stores and shops, above which, opening on the mezzanine balcony of the lobby, is a guests' lounge occupying the east side of the building with a dining room on the west side.

F. H. Trimble of Orlando and St. Petersburg, is the architect and Frank F. Jonsberg, St. Petersburg, the supervising architect. Franklin J. Mason, Inc. is the contractor.

The new Suwanee Hotel is being erected by John N. Brown, president of the Ninth Street Savings & Trust Co. of St. Petersburg. This building is eight stories high, 65 by 100 feet, of fireproof construction, steel and brick. It contains 114 rooms and will cost upwards of \$500,000. H. E. Wendell is the architect, and Dillman & Wright, the general contractors, both of St. Petersburg.

While these three hotels are modern and expensive buildings, they represent but a small part of the construction development recently completed, or under way and projected in St. Petersburg. For instance, the development of the Jungle property by Walter Fuller of the Allen-Fuller Corporation, and associates, at an estimated cost of \$5,000,000 was recently announced. In connection with this project, it is the plan to erect a \$2,000,000 hotel, a dozen residences to cost \$300,000 and other facilities. Plans for the hotel are being prepared by Harry L. Taylor and R. L. Wakeline, assisted by Frank L. Jonsberg, all of St. Petersburg.

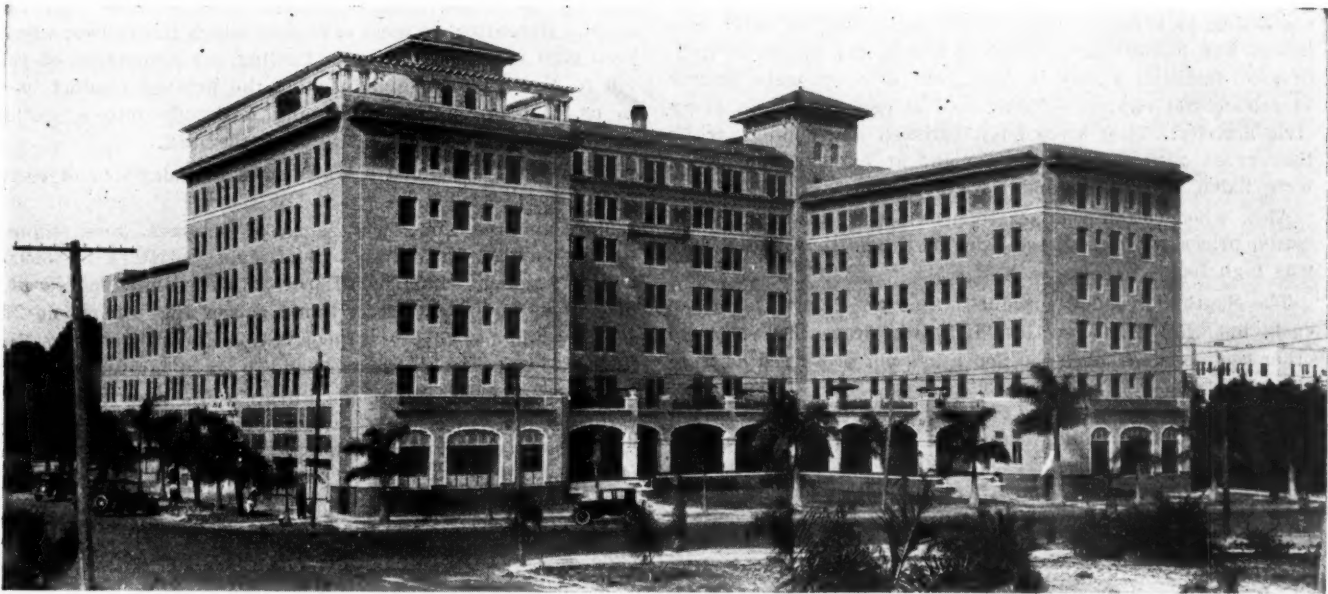
Other hotels recently announced for erection include a three-story building by C. A. Day and a seven-story hotel by Harvey S. Chase, besides other new structures and additions to existing buildings.



## \$3,000,000 IN THREE HOTELS AT ST. PETERSBURG, FLA.



\$1,000,000 HOTEL MASON, ST. PETERSBURG, RECENTLY COMPLETED.



NEW HOTEL SORENO, ST. PETERSBURG, COMPLETED AT COST OF \$1,500,000.



SUWANEE HOTEL UNDER CONSTRUCTION AT ST. PETERSBURG. COST ABOUT \$500,000.

## A GEORGIA BANKER ON DIVERSIFICATION OF FARMING.

### The All-Cotton Grower Lives in Debt—The Diversified Farmer Keeps a Good Cash Balance in Bank.

By J. E. TURNER, Active Vice President, The Exchange National Bank, Fitzgerald, Ga.

Having been reared on a farm in Georgia, I frequently recall that while we made good crops of cotton we produced little else and certainly not enough feedstuffs for our livestock. We had to buy lots of fertilizer and marketed our cotton at the mercy of others, being unable to say a word as to what our price for cotton should be and at the same time unable to say a word as to what the price should be for the commodities we bought.

One great element almost always forgotten is that with the one crop system—cotton and nothing else—at regular periods, in each year there is nothing to do on the farm, a lay-by time, when cost and expenses run on.

I look back at conditions over the years and find the one-crop practice to have been indulged in by approximately ninety-five per cent of our farmers. The five per cent who produced commodities for home consumption, and always had something to bring to the market, were able to build nice homes, had fine orchards, splendid horses and carriages, well-dressed families, money in bank, out of debt, were leaders in school and church building and strong factors in every civic activity. They were busy, satisfied and content, while that great one-crop majority bought at extravagant prices, were laden with debts and always poor.

Also, when cotton was scarce prices were good, but when cotton prices were good, the price of things they had to buy was high too.

The South has indeed produced that which always brings cash, but this cash flew like lightning from the South to other sections and hence the South has not prospered as have other parts of the country.

A few years ago we were growing locally too much cotton and nothing else. Then we tried to some extent to produce hogs and cattle for the market and as a result Armour and Company, Swift and Company and others who had their division offices here were forced to close down; and instead we sold lots of hogs and cattle on foot and some meat in carload lots to these packing houses. The years we were making less cotton and raising more cattle and hogs we were more prosperous.

Speaking of local conditions again, the largest farmers we have in this section have grown too much cotton. They are the ones who have gone the limit in long loans upon their fine lands and are scarcely able to make enough money now, under boll weevil conditions, to pay interest. Incidentally, farmers in general are growing seriously dissatisfied, colored and white, and have left and are still leaving the South.

In my banking experience in this city I observe that a few farmers here who have been diversifying right along are always at ease and are making headway. It is a fine object lesson.

I passed a farm a few days ago where the family was milking eight cows, had about a hundred fine hogs in sight, a hundred hens, plenty of feedstuff growing, a beautiful new green pasture, and I thought, "Those people can not say there is no work to do and no living on the farm." There was plenty of work each day, and money coming in every week, work enough to shut out idleness and extravagance and make them content, and money enough to make their bank account desirable. Very little money gets away from that family to other sections.

Since the entrance of the boll weevil our people are begin-

ning to consider carefully ways and means for restoring good times on the farms, and many are concluding that with fine soil, favorable seasons, choice climate and wise diversification we will not only come back but pass the old mark and reach a condition of prosperity far exceeding anything enjoyed in the past.

We have just established a creamery and hatchery in this city. We are fast putting fine cows on the farms, and find that we can have as fine pastures here as anywhere and pastures that furnish grazing for more months in the year than in regular dairying states. We are beginning to ship poultry and eggs in carload quantities, have begun trucking, are growing potatoes, melons, cantaloupes, peanuts, growing hogs and cattle, and we are determined to make cotton scarce enough to bring a high price. Now there comes to our aid our new friend, the weevil, who decrees that hereafter so much cotton shall not be produced.

If heretofore, equipped with plenty of negro labor and void of pests, we made abundance of cotton and remained poor, how great now will be our poverty if without labor and with the boll weevil enemy to cotton, we attempt to produce bumper crops! It would be Southern suicide.

Heretofore the railroads have hauled to us from the East and the West, and those roads and those sections have fattened. Hereafter we must save that which the railways have been glad to take from us in hauling our abundance of cotton to New England and bringing the finished product back to us, and in hauling grain and feedstuffs into a section which could and should easily grow them all.

I have just examined a transaction in today's bank work, as follows:

Two hundred and forty sacks of potatoes were shipped to this point from Indiana, the freight on which is \$359.60 and the amount that the shipper gets for one hundred and fifty sacks is \$52.90. From this I gather that the whole 240 sacks would net to the shipper \$84.64, the railroads getting \$359.60. And why should we have to go so far for potatoes?

Farmers can not stand such a draft on them as this and the way to remedy the freight burden is to diversify and do away with the necessity for such shipping from one section to another.

Cooperation in thinking and in marketing is the remedy which added to diversification and thrift makes the great super-remedy.

We have seen the worst. The South is destined to be the greatest section in our nation because we can produce all the world needs to eat and to wear, and because nature has laid here the foundations for the establishment of perpetual contentment and prosperity.

The prison walls about us have begun now to tremble and soon they will fall and we will be free to claim from Providence the reward which awaits the prudent and the faithful.

### Contract Awarded for Skeleton Work on \$2,000,000 Hotel Peabody at Memphis.

Memphis, Tenn.—Contract for skeleton work on the new Hotel Peabody to be erected here by the Southern Hotel Co., has been awarded to the B. W. Buttas Brothers Co. of Chicago. The hotel will be 12 stories high, 324 by 170 feet, and is estimated to cost more than \$2,000,000 without equipment. It will be constructed of reinforced concrete brick, terra cotta and hollow fireproof tile and will contain 625 rooms in addition to considerable store space on the first floor.

The contract let covers construction of the foundation and all concrete and masonry work. This is the principal contract and is said to involve an amount in excess of \$1,000,000. Other contracts are to be let soon. Walter W. Ahlschlaeger, Inc. of Chicago is the architect.



## Per Capita Tax for Loss by Rot and Rust Due to Lack of Paint Put at \$166 Per Year.

MECKLENBURG COUNTY'S PAINT CAMPAIGN SHOULD STIMULATE OTHERS.

By F. H. JETER, Agricultural Editor North Carolina Agricultural Extension Service.

When Miss Bertha Proffitt and Kope Elias, home and farm agents for the Agricultural Extension Service in Mecklenburg County, began to plan for their work with the rural people of that county this year, they decided that a program of home beautification was one of the next steps to be taken in the agricultural progress of the county. Mecklenburg has always been one of the progressive counties of the state. Its people are practicing good agricultural methods and with good local markets in the city of Charlotte and the other nearby manufacturing towns there was some incentive to diversify crops and to grow such produce as might be sold at a good price locally. Last winter, one of the most successful campaigns ever put on in the state resulted from the drive made for a greater consumption of milk in Charlotte. It was a "Milk for Health Week," in which the dairymen and farmers co-operated in helping to present the cause for more milk in the city. It was highly successful.

The same has been true of every other wise step taken for the advancement of the agricultural resources of this county. The people of Mecklenburg County work together for good causes and so when the extension workers of the State College and Department of Agriculture were approached by the Progressive Farmer to select one county in the state to put on a "Paint Campaign," there was no hesitancy in selecting Mecklenburg. The two county agents there fell in with the idea at once since it furthered the home beautification idea which was being stressed by them this year. The agents felt that the county had made progress along material lines; the people were making money, they had passed the stage where it was necessary to stress production and co-operative effort so the next step was in beautifying or in a development of the aesthetic.

It was decided to hold the campaign during the last week in October and the first week in November. E. R. Raney, farm engineer of the extension division took charge of the campaign for the College and Department. The help of the "Save-The-Surface" organization of Philadelphia was solicited and obtained and a preliminary meeting arranged at Charlotte with the various paint dealers to determine the best way in which the campaign might be conducted. It was finally decided that the paint people would donate liberal prizes in paint for the community and township signing up the most people who promised to do some painting within the next six months. These dealers also promised to secure the services of trained paint men, skilled in interior and exterior decoration and renovation, to make demonstrations during the campaign. The extension service was to have charge of the campaign, to look after the problems of distributing the prizes and the signing up of the farmers to paint. The extension workers were also to look after the other phases of home beautification such as landscape planning.

Everything was finally arranged. Miss Proffitt and Mr. Elias appointed committees in the various communities to make plans for meetings at which the talks and demonstrations on home beautification were to be made. Other committees were appointed to secure signers of the agreement to paint and otherwise beautify the home grounds and outbuildings and so the campaign began.

Both the Charlotte Observer and the Charlotte News took a great deal of interest in the movement, giving it many columns of space each day. Eighteen meetings were arranged

in the fifteen townships and in addition to the older people from the surrounding communities, the school children stayed for each meeting and heard the message of home beautification. At each place, demonstrations were given in painting the interiors, in renovating old furniture and in applying paint to outside surfaces. Experienced paint men applied the paint and explained why they did each thing. They told of the differences between varnish and paint, how to beautify the walls, how to prepare and paint old floors, how to make old furniture serviceable and beautiful and they actually did these things so that all could see and ask questions.

Many of the business men and citizens of Charlotte became interested in the movement and several of the banks contributed paid space in the newspapers calling attention to the movement in the county. At some points, the people brought out old furniture long since consigned to the attic and saw it made into useful and valuable pieces again. At other places the interior of the school room was changed from a dark unsightly thing into a place where the light was used more effectively and the room became more cheerful. Essays were written by many pupils on the value of paint and some of the school principals stated that even if the people of the community did not paint their places, he was glad the message was brought to his pupils because they could have a better understanding of the great loss caused by rot and rust each year and of the necessity for beautifying the homes and farmsteads.

It was pointed out by some of the experienced paint men present that the per capita tax for rot and rust or the neglect taxes of Mecklenburg County amounted to \$166.14 per year. The people learned why and how to prevent the loss. They learned further, that the cause is responsible for other preventable losses and that the same remedy would insure larger yields, a saving in crops harvested and a decrease in the death rate of animals through disease.

The common cause of these losses, they learned, is the needless rotting and rusting of buildings and implements, with the repairs, break downs, leaks and insanitary conditions which always follow decay and deterioration, not to mention the general lowering of property values. But they learned also, that children are better satisfied in a home made beautiful by the planting of a lawn and flowers with shrubs grouped about in the proper places and the painted home setting like a gem in this surrounding of green.

Finally when it was all over, those having part in the movement agreed it was the greatest campaign in which they had ever worked. A number said it was even more successful than the milk campaign of the previous winter. The results as summed up by the committee reports showed that 210 houses are to be painted on the outside, 178 on the inside, 52 farms where the barns and outbuildings were to be painted and 44 farms where all the machinery was pledged to be painted. A great number of others plan to beautify their home grounds with shrubbery, flowers and grass.

"Already some of those who signed up have begun to come into Charlotte for the paint," says Kope Elias, farm agent who presided at each of the 18 meetings held in the county. "Several of the farmers have expressed to the dealers that they are painting as a result of the campaign."

Mr. Elias and Miss Proffitt report that the townships winning the special prizes for signing up the most people agree-

ing to paint this year were Pineville and Sharon tying for first place and Charlotte second. Pineville and Sharon were each awarded 20 gallons of good paint to be used on some community building, church or other public building. Charlotte township was awarded the second prize of ten gallons to be used in the same way. The communities winning ten gallons each were Park Road, Sharon, Pineville, Central Steel Creek, Cochrane Academy, Mint Hill, Newell, Derita, Cornelius, Gilead, Hopewell, Paw Creek and Lower Providence.

In a letter to the various committees helping to put over this movement in Mecklenburg, the agents wrote, "The exact results of this campaign cannot be estimated, but we feel that it is but the beginning of a strong movement to preserve and beautify the homesteads of Mecklenburg County, North Carolina and the whole South." And they express true sentiments. It will hardly be possible to get the paint dealers in any other county to bring such an array of high priced talent to help in another such campaign but the lessons of the Mecklenburg campaign will be far-reaching in their results and should help to make the old Tarheel State a thing of beauty, a section of satisfied home owners, and a place that our people can view with pride saying, "Look at the beautiful homesteads and school grounds of North Carolina." Even greater results have had a smaller beginning.

#### Freight Traffic Officers Appointed.

Archibald Fries, vice-president in charge of traffic and development of the Baltimore & Ohio Railroad Co. has made the following appointments which took effect February 1: W. W. Blakely, general freight agent at Pittsburgh, to be assistant freight traffic manager at Baltimore; John H. Carroll, Jr., general freight agent at Philadelphia, to be general freight agent at Pittsburgh; Samuel House, general freight agent at Baltimore to be assistant freight traffic manager at Baltimore; C. S. Roberts, assistant general freight agent at Baltimore to be general freight agent there; George S. Harlan, assistant general freight agent at Baltimore, to be general freight agent at Philadelphia.

#### Permit for \$2,000,000 School at St. Louis.

St. Louis, Mo.—Permit has been secured by the Board of Education for the erection of the proposed new high school building on Natural Bridge Road to cost about \$2,000,000. Figures presented in connection with the application for the permit, indicate a construction cost of \$1,557,992, but it is estimated that the entire cost of the building and equipment will approximate the larger figure.

The structure will be 374 by 204 feet, 4 stories, equipped with a steam heating system. R. M. Milligan of the Board of Education, is the architect, and the E. C. Gerhard Building Co., St. Louis, is the general contractor.

#### Three West Virginia Districts to Vote on Road Bonds.

Fairmont, W. Va.—At a meeting of representatives of Mannington, Paw Paw and Lincoln districts with the Marion County Court here, it was decided to call elections for March 4 in each of these districts on road bonds which will aggregate \$1,257,200. The proposed issues embrace \$600,000 for Mannington district, \$324,000 for Paw Paw and \$333,200 for Lincoln.

#### Asks Bids on \$500,000 14-Story Building.

Huntington, W. Va.—Bids will be received at the office of Meador & Handloser, architects of this city, until February 25 on the proposed 14-story building to be erected here by the Union Bank & Trust Co. The building will occupy a site of 60 by 90 feet at Ninth street and Fourth avenue, and will be of steel construction.

### Two Hydro-Electric Plants for River Falls Power Company—Other Developments in Progress.

River Falls, Ala., February 2—[Special.]—Plans are being prepared by the Southern Engineering Corporation of Albany, Ga., for a 7400 horsepower hydro-electric plant on the Conecuh River at River Falls, for the River Falls Power Co., which will be equipped with units of 2000 K. V. A., 138 R. P. M. vertical, 2300 volt 3-phase, 60 cycle generators direct connected to 2450 horsepower vertical single runner water wheels. Construction will likely begin by early summer, all equipment and material to be purchased.

The River Falls Power Co. is completing a 3300-horsepower hydro-electric development at Gantt, Ala., on the Conecuh River, the dam having a 30-foot head and construction being of concrete, wood and steel. The Southern Engineering Corporation is also handling this development and has purchased all equipment and material.

Other projects which the Southern Engineering Corporation has in progress include a 4800 horsepower hydro-electric plant on the Choctawhatchee River for the Houston Power Co. of Newton, Ala. This plant includes a 50-foot head construction of concrete, brick and steel. Machinery has been purchased but material and supplies are still to be bought.

It is also building an 1800 horsepower hydro-electric plant of 25-foot head on the Chipola River at Marianna, Fla., for the Marianna Light & Power Co., and a 200-horsepower hydro-electric ice plant on Little River, 4 miles east of Quincy, Fla., for Allen & Corry, Inc. of Quincy. The corporation will purchase material and supplies for the former plant—machinery having already been bought—and all machinery and equipment for the latter plant. Construction of the Marianna plant will include a 25-foot head dam, and the Quincy plant a head of eleven feet.

#### Potomac Edison Company Building Transmission Line.

The Potomac Edison Co., Hagerstown, Md., writes the MANUFACTURERS RECORD: "Sanderson & Porter, engineers, New York, are now engaged in building a two-circuit high tension line from Cumberland, Md., to our Williamsport, Md., plant, and our plans contemplate the building of a high tension line from Williamsport to Roxbury, Pa., at which point a tie-in with the Penn Central Power Co., for exchange of emergency power, will be made between the companies."

#### Bids Soon on \$1,000,000 Mosque at Richmond.

Richmond, Va.—Clinton L. Williams, chairman of the building committee, has announced that plans are practically ready and bids will be opened February 15 for the \$1,000,000 mosque to be erected at Laurel and Main streets here by Acca Temple. The structure will be 201 by 308 feet and will contain an auditorium to seat 4100. It will also be provided with a large stage, ball room, banquet hall to accommodate 2000, 102 bedrooms and other facilities. A \$40,000 pipe organ will be installed. Marcellus T. Wright and Charles M. Robinson, both of Richmond, are the architects.

#### New Dallas Hotel to Cost \$800,000.

Dallas, Tex.—Plans have been outlined by John B. Munns for the proposed \$800,000 hotel to be erected here by Mr. Munns and associates. The building will be sixteen stories, 50 by 100 feet, of reinforced concrete and steel, and will contain 210 rooms with bath. It will face Main street with an entrance to the lobby between two store rooms on the ground floor. There will also be an entrance on Poydras street facing the elevators. Fire escapes will be installed in the court on the western side of the structure. Cleveland & Litzelman of Dallas are the architects.



## NEWS AND VIEWS FROM OUR READERS

[Publication in this department of letters from our readers does not mean that we either approve or disapprove the views expressed. We believe in a full and frank discussion of the mighty questions of the hour, for only in this way can the truth be found. Therefore we often publish letters with which we do not agree.—Editor Manufacturers Record.]

### A New Viewpoint on Federal Income Taxes.

J. S. OTIS, New Orleans, La.

In all press reports there is a very important point in reference to Federal income taxes which does not seem to be mentioned, namely that the high cost of living and depressions are doubtless brought about by excess profit rates.

It is a very simple matter to see this statement is correct. This is how it comes about. Every individual, firm and corporation realizes after they have sold a certain amount of goods and made a certain profit say along in the summer, that they must stop selling in a large way and wait until after January 1 or they will have to pay prohibitive excess profit taxes to the Government. When first one business house and then another starts restricting its sales to the care of its best customers why the consumers themselves bid up prices to cover their requirements and this means inflation. This hoarding is not to profiteer as some people try to make out, but to escape prohibitive taxes. Hoarding of merchandise results in big inventories and big inventories in due course bring on depression.

Any law so framed that it stifles competition and ability and encourages hoarding, works a hardship on both rich and poor and should be changed, and would be, if both rich and poor would write their representatives in Washington.

### What of the Future?

WILLIAM T. WELLS, Melbourne, Florida.

I am so much pleased to see the MANUFACTURERS RECORD in its old dress, or rather its "war dress" with the guardian eagle that I am writing at once to tell you, and to congratulate you on the change.

I continue to enjoy each week's copy and we will soon have a place for each copy as we this week commenced a fireproof concrete and tile library building, and as soon as it is done the MANUFACTURERS RECORD will be on the table for all to read. The board of directors placed me in charge of the construction and I am pushing it.

This first unit will be small but good, and can be added to as the need appears.

I am enclosing a leaflet with Judge Rutherford's lecture on the coming of the Christ and the end of this cycle of the world's existence. Perhaps you have it.

After reading the many accounts of the destruction in and around Tokio the idea suggests itself as to whether such a great amount of fire among the flimsy houses of the natives could have been caused by the small amount of fuel contained in those structures, but was not rather caused by masses of inflammable gas from the great cracks in the earth.

Assuming that the old Humboldt theory of the generation of hydrocarbons is correct, the cracks must have liberated vast quantities of gas and perhaps petroleum, and hence the consuming fire that accounts say was terrific.

From this idea it is easy then to ask whether the moon, and perhaps some of the planets are burned-over worlds, and if this planet will soon be in the same condition. If the world should get on fire and the inner gas and liquid slowly ooze to the surface there would be some considerable fire, perhaps comparable to that on the surface of the sun. Perhaps the sun is a burning world.

I hope that I may live for a few more years just so I may see the wonderful transformation that may take place.

### An Aged Minister's View of the Bok Peace Plan.

Rev. W. A. JARRELL, Dallas, Texas.

#### The Bok Peace Award Essay an Infidel Insult to God.

In view of the great truths that Jehovah is Sovereign of all nations; that for their rebellion against and ignoring Him He brings war on them; that on their repentance He brings peace to them, (compare 2 Chron. XX: 6; Job XXXIV: 15; Isa. XXXVII: 16; Jer. XXVII: 4-6; Psa. XXII: 28; LXXII: 11; CIII: 19; XLIV: 4; XLVII: 2; LIX: 13; LXXXIII: 18; LXXXIX: 11; XCV: 3; XCVI: 10; Isa. XXXVII: 16; Dan. IV: 17; Ezek. XXXIX: 15; Isa. XIV: 13-18; IX: 9-14; XVI: 6-7; Hosea III: 1, 6-8; Ob. I: 3-4; Jer. L: 31-32; Lk. XIV: 11; Isa. XLVIII: 18; LVI: 12. These are comparatively few of the Holy Scriptures that ought to have been the foundation of that essay); and that God is not mentioned or even alluded to in that essay—with the voice of God in view, that essay utterly ignores Him and is an infidel insult to Him. Only vengeance of God can fall on our nation if it adopts that essay.

### The Value of Courtesy in Railroad Employees.

J. S. CURETON, General Freight Agent, Piedmont & Northern Railway, Greenville, S. C.

In your issue of December 21, 1923, you published an article entitled "The Costliness to Railroads of Lack of Courtesy on the Part of Employees." What would it cost to supply us with several hundred copies of the editorial referred to? I would like to get this into the hands of every one of our employees, and if I can do so under my current appropriation for expenses in this department, I will certainly do it.

This is a thought that I try to instill into every one of our employees at all times, namely: that the greatest asset that any employee has is kindness and courtesy to the public. It is an asset not only to the railroad, but to him personally, and it is an asset that has a monetary value to the employee personally, as well as a value that counts for a great deal more than money. I think that this editorial placed in the hands of our employees, giving the views of some one on the outside, will be valuable in connection with my constant efforts to keep this thought before them.

### Details of Steam Station and Hydro-Electric Station Now Building.

With reference to the construction of a steam power plant at Duncan, S. C., and an electric power plant at Rhodhiss, N. C., the Southern Power Co. of Charlotte, W. S. Lee, vice-president and chief engineer, advises the MANUFACTURERS RECORD that the company is constructing with its own forces the Tiger steam station near Duncan. This station will consist of two 20,000-horsepower steam turbines with necessary equipment, most of the equipment having been purchased.

The Western Carolina Power Co. is constructing the hydro-electric station at Rhodhiss, in which there will be installed three 14,000 horsepower single, runner vertical units. As recently reported, contract for the Rhodhiss plant has been awarded to Rinehart & Dennis Co., Inc. of Charlottesville, Va. The Western Carolina Power Co. is a subsidiary of the Southern Power Co. and the cost of this plant is estimated at \$5,000,000.

# THE IRON AND STEEL SITUATION

## Steel Production Shows Big Gain.

Pittsburgh, Pa., February 4—[Special.]—Recent reports seem to be well confirmed as to the high operating rate of the steel industry, representing a remarkable gain over the rate in December. Production of steel ingots reached its high point of all time in April of last year, with a rate of 49,000,000 gross tons a year. Then production sagged slowly but continuously, until the average rate during December was about 35,400,000 tons a year. It now appears that at the end of last week the rate was close to 44,000,000 tons a year. This would mean that in one month more than half the loss of eight months was made up.

Part of this increase in ingot production, however, is not represented in production of finished steel or in shipments of steel, for the United States Steel Corporation is pursuing a definite policy of accumulating stocks of ingots and semi-finished steel, particularly sheet bars, to insure full operation of finishing mills in the spring. This would make provision against any difficulties caused by a coal strike April 1, although no serious difficulty is expected. The normal thing in steel is for finishing capacity to exceed steel making capacity, while stocks of steel will help towards a fuller operation of finishing departments.

There is no material increase in steel consumption at the present time over the rate of consumption late in the old year, and the increase in shipments of steel is to be attributed to jobbers and manufacturing consumers having been liquidating stocks in the last two or three months of the old year, while now they are replenishing stocks. That is, production was formerly under consumption and now it is over consumption.

Buyers of steel now have confidence in steel prices, for the nearby future at least. In the last three or four months of the old year many of them had confidence that prices would decline, at least in bars, shapes and plates. Backed by their rather small margin of profit, the mills had courage to stand their ground, and the increased buying now fully supports prices. The unusual condition is presented of there being no expectation of either declines or advances in steel prices.

There are no conspicuous items in the steel market. No particularly large orders are being placed, and no consuming line is particularly busy as compared with other consuming lines. The buying is widespread, and is chiefly in relatively small orders. In general, there is replenishment of stocks by jobbers, involving pipe, wire products, sheets, merchant bars, etc.

Only rails and tin plate are sold far ahead, practically through the half year. In steel for certain construction jobs, particularly fabricated steel structures, there is a fair volume of business ahead, as some of the deliveries will not be completed for many months. With these exceptions, the business in steel products is being done for unusually early deliveries. Buyers want this and are taking no interest in far forward commitments, while mills are able to make early deliveries. They cannot make the almost spot shipment they could offer for a time in the old year, but that was abnormal. Mills are now scheduled a reasonable distance in advance, which makes for operating economy. Miscellaneous orders for merchant bars may not be shipped until three to five weeks have elapsed, and merchant pipe and oil country goods take a little time.

The pig iron market has had a sudden and marked revival in interest. Almost overnight a good line of inquiry

for basic pig iron has developed, also inquiry for second quarter foundry iron. Sales early last week confirmed the recently advanced asking prices of furnaces, and asking prices are being further advanced. On actual sales basic iron is up from \$21 to \$22, valley, but \$23 is now the asking price. Foundry iron stiffened to \$23, valley, and when second quarter inquiry appeared furnaces asked \$24 and got the price, whereby at the moment foundry iron is \$23 for February or March and \$24 for second quarter. Such a condition is unusual and the \$23 price will probably disappear in a few days. Bessemer last sold at \$23, valley, but \$24 is now asked.

The Pittsburgh district scrap market has been very quiet in the past week and with consumers showing no interest heavy melting steel, at \$22 asked, does not seem to be well supported, but developments elsewhere make the position appear strong, for the markets all around the Pittsburgh district have advanced, Sparrows Point having paid \$21, Eastern Pennsylvania \$20 and Buffalo \$21, while \$22.50 to \$23 can be obtained at Canton and Youngstown, O. This means that very little scrap can come to the Pittsburgh district.

The Steel Corporation's earnings of \$179,650,910 in the fourth quarter, just reported, represented the largest earnings since the second quarter of 1918. While the earnings were by a little margin the largest for any quarter of 1923 the shipments of steel were by a little margin the smallest. Earlier in the year there were large deliveries on older sales, at lower prices than ruling since April, and thus realized prices on shipments increased considerably during the year, more than making up for increased costs due to the general wage advance announced in April and the elimination of the 12-hour day, an operation begun in August and completed by about December 1. The corporation's shipments in the fourth quarter were about 3,450,000 tons, making earnings apparently about \$14.50 per ton, against about \$9.50 in the first quarter.

## Prices Firm on Southern Pig Iron.

Birmingham, Ala., February 4—[Special.]—Birmingham pig iron prices are now firm on a \$23 per ton base, No. 2 foundry, sales being made right along for second quarter delivery and plans call for increasing the make. The second month of 1924 started in with the surplus stock of iron reduced materially, the make greater than it was in December and orders in hand which call for delivery of a considerable tonnage of iron. Much business was booked the first part of the past week and later a number of inquiries were received which may result in good business. The greater portion of the recent business was from Southern melters of iron. The home consumption is showing a steady increase as sanitary pipe interests add a little to their activity week after week. One of the active companies of the district was selling at \$22.50 to the middle of the past week and then withdrew from the market entirely. A smaller company is only selling to regular customers while one of the larger producers of iron is selling cautiously into the second quarter.

The Sloss-Sheffield Steel & Iron Company has four furnaces in operation now, one in the Florence-Sheffield section of the state, on the Tennessee river, two at North Birmingham and one of the Birmingham city furnaces. President J. W. McQueen states that as soon as the demand warrants it, one or two more blast furnaces will be blown in. The second city furnace can be gotten in readiness in a few days, another of the Sheffield furnaces is being worked on, and towards the middle of the month will be in good shape.

The Republic Iron & Steel Company, with two out of three blast furnaces in operation, has participated in the activity



of the iron market and will go into the second quarter with a nice tonnage on the books. The Alabama Company will have its No. 1 furnace at Gadsden ready for the torch by the end of the month. This company has been selling to regular customers in the main and announcement is made that quite a little tonnage for delivery April-June has been booked. E. N. Rich, Baltimore, president of The Alabama Company, will make an inspection of properties the coming week. No further negotiations looking to a consolidation with other companies in the Birmingham district have been reported lately.

Survey of the iron melting companies in the home territory for the week show that the gas and water pipe manufacturing plants are operating to capacity. Some of the larger cast iron sanitary pipe plants are also producing on an active basis. Machine and foundry shops are getting a little business though some of the machine shops are in position to take on considerable business. Cast iron pipe, both the larger and smaller sizes and also fittings for the sanitary pipe, are being shipped steadily with production at a high level, and some of the warehouses are being resorted to in supplying demand. The pipe is going in every direction, except the east. The far West, California points, continues placing business with Birmingham manufacturers, additional orders having been received the past week.

Steel mills and fabricating plants are busy. Several contracts are in sight in this territory with prospects of Southern concerns getting the business. It has been reported that a considerable portion of the car works which were destroyed by fire at Gadsden will be rebuilt in this city.

A few more rail orders have been received by the Tennessee Coal, Iron & Railroad Company to be produced at the Ensley steel mills. That department has enough business on hand and in sight to warrant steady operation for eight months this year. Steel wire and nails are in strong demand and the mills here, American Steel & Wire Company and Gulf States Steel Company, are producing well.

The radiator plant in this district is getting capacity output. Stove and range plants are also working almost to capacity with prospects of more business in the very near future.

Coal mining in the state is showing more steadiness. Production is up a little since the turn of the year. Coal operators in Alabama do not look for an emergency in the shape of a strike April 1 in the bituminous coal fields of the middle west. But little coal accumulation has been felt in this district so far.

The coke market shows no improvement, though prices are a little firmer, ranging from \$5.50 to \$6.50 for by-product foundry coke.

The scrap iron and steel market is improving. The demand for various products, with the exception of heavy melting steel is much better. The fact that furnace interests are holding firmly to the \$23 per ton price is bringing about consideration of old material.

Quotations for pig iron and iron and steel scrap follow.

#### PIG IRON.

No. 2 foundry, 1.75 to 2.25 per cent silicon, f. o. b. furnaces, \$23.00 to \$23.50; No. 1 foundry, 2.25 to 2.75 per cent silicon, \$23.50 to \$24.00; iron of 2.75 to 3.25 per cent silicon, \$24.00 to \$24.50; iron of 3.25 to 3.75 per cent silicon, \$24.50 to \$25.00; iron of 3.75 to 4.25 per cent silicon, \$25.00 to \$25.50; charcoal iron, f. o. b. furnaces, \$33.00 to \$34.00.

#### OLD MATERIAL.

Old steel axles.....	\$19.00 to \$20.00
Old iron axles.....	21.00 to 21.50
Old steel rails.....	12.00 to 13.00
Heavy melting steel.....	14.00 to 15.00
No. 1 cast.....	19.50 to 20.00
Stove plate.....	16.50 to 17.00
No. 1 R. R. wrought.....	12.00 to 13.00
Old car wheels.....	16.00 to 17.00
Old tramcar wheels.....	17.00 to 18.00
Machine shop turnings.....	7.00 to 9.00
Cast iron borings.....	9.00 to 10.00
Cast iron borings, (Chem.).....	15.00 to 16.00

## RAILROADS

### Seaboard Air Line Had a Good Year.

The Seaboard Air Line Railway Company's statement of earnings and expenses for the year 1923 shows total operating revenues of \$52,249,110.36; increase as compared with 1922, \$6,570,062.17; total operating expenses, \$40,342,259.48; increase, \$4,119,375.28; net revenue, \$11,906,850.88; increase, \$2,450,686.89; operating income, \$9,690,482.40; increase, \$2,362,329.84; net railway operating income, \$7,957,963.41; increase, \$3,727,394.46; gross income, \$8,474,720.01; increase, \$3,741,136.96; balance after interest and other fixed charges, exclusive of interest on adjustment bonds, \$2,019,440.74; increase, \$3,149,958.04, this large increase being partly because there was a deficit in 1922.

It is to be noted that there was a reduction of more than \$1,365,000 in equipment and joint facility rentals during the year.

The figures for the month of December show total operating revenues \$4,908,449.23; increase as compared with the same month of 1922, \$390,995.90; total operating expenses, \$3,589,033.68; increase, \$48,467.74; net revenue, \$1,319,415.55; increase, \$342,528.16; operating income, \$1,039,480.67; increase, \$281,419.17; net railway operating income, \$938,987.49; increase, \$425,394.75; gross income, \$1,025,265.54; increase, \$472,499.04; balance after interest and other fixed charges, exclusive of interest on adjustment bonds, \$459,618.35; increase, \$406,728.50.

### New Florida Railroad Company Asks Authority to Build Its Line.

The Florida Western & Northern Railroad Co. has applied to the Interstate Commerce Commission for authority to build its proposed line from Coleman to West Palm Beach, Fla., about 205 miles; also for permission to build two branches, as heretofore described, one of 10 miles, which in connection with the proposed new road and the Seaboard Air Line will make a short route between Tampa and West Palm Beach, and the other 14 miles long to shorten the route of the Seaboard Air Line in Nassau County, Fla. The projected new road will be an adjunct of the Seaboard Air Line System. It will be built by the Jefferson Construction Co., of Charleston S. C., of which W. R. Bonsal is president. Several years ago Mr. Bonsal did considerable railroad construction in the Carolinas which is now in the Seaboard system, of which he is a vice-president.

### Car and Engine Shops to Be Built.

Birmingham, Ala., February 4—[Special.]—The Southern Railway Co. has begun work upon extensive development at the Finley yards, North Birmingham, specifications already announced calling for 2000 tons of structural steel for enlarged shops, car and locomotive erecting shops, while something like 80,000 barrels of cement will be used in the foundations and other works. Dwight P. Robinson & Company, of New York, are contractors and the work under way will require several months time to complete.

### Increased Freight Movement.

Loading of revenue freight on the railroads during the week ended January 19 totaled 895,276 cars, as increase of 23,011 cars as compared with the previous week and very nearly 31,000 cars more than were loaded in the same week of last year. The gain over the preceding week this year was due largely to increases in the loadings of merchandise and miscellaneous freight, which includes manufactured products; and also to an increase in grain and grain products as well as forest products. Loadings of coke and ore also increased.

## DEAL FOR INTERNATIONAL-GREAT NORTHERN.

### Gulf Coast Lines Offer to Purchase Texas Road Subject to Approval.

Negotiations were conducted last week in New York for the sale of the International-Great Northern Railroad to the New Orleans, Texas & Mexico Railway Co., and it is understood tentative approval was given by the banking interests in control of the first named road to an offer of the other road to buy control at a price somewhat better than that offered for the line on behalf of the Frisco System some time ago which was \$26.75 a share. The deal with the Frisco failed to obtain approval by the Interstate Commerce Commission which decided that it would not be in the public interest to combine the two roads, and it was stated at the time that the International & Great Northern, as it was originally named, was built to form a continuous line in connection with the Missouri Pacific Railway and the Texas & Pacific Railway and that for forty years it had been preferentially used by the Missouri Pacific for through freight and passenger business.

This new proposition for the purchase of the International-Great Northern Railroad, if finally agreed upon, will also have to be submitted to the Interstate Commerce Commission for approval.

After the Frisco deal failed of approval other negotiations were undertaken and it was announced in New York last July that control had passed into the hands of capitalists represented by Swartwout & Appenzellar, bankers, of that city through the purchase of 28,000 voting trust certificates from the syndicate headed by J. & W. Seligman & Co., and Speyer & Co., which underwrote the reorganization plan and that this transaction gave the purchasers 38,000 certificates out of a total of 75,000.

It is also important to observe that when this announcement was made it was also stated that the purchase was not for the immediate account of any other railroad company and that the sale then made completed the sale of securities for the reorganization syndicate which was now closed. In view of this statement it would seem that the possibility of a sale to the New Orleans, Texas & Mexico Railway was then more or less in view and that the negotiations now pending are an outcome of the sale of 28,000 certificates last summer. These negotiations, it is stated, were held at the offices of Speyer & Co. and they provided for the purchase of the common stock and the guarantee of interest on the adjustment bonds. There is a total of \$7,500,000 of stock.

The International-Great Northern Railroad is altogether 1160 miles long connecting Galveston, Houston, Fort Worth, Austin, San Antonio, Waco and other important points in Texas its lines being wholly within that state. Its northern termini are at Fort Worth and Longview respectively; its southern termini at Galveston and Freeport on the Gulf of Mexico and at Laredo on the Rio Grande.

The New Orleans, Texas & Mexico Railway is altogether 1173 miles long and is known as the Gulf Coast Lines because the main line, from New Orleans, La., to Brownsville, Tex., 739 miles, follows in the general direction the outline of the coast of the Gulf of Mexico in Louisiana and Texas. There are several branches in both states.

Connection of the two systems is at Houston.

### Contemplated Extension in Missouri.

Construction of an extension of about 125 miles from Springfield to Bagnell, Mo., is under consideration by the Missouri Pacific Railroad Co., although there is no indication of any idea to build the line immediately. Springfield is at the end of a branch line 34 miles long from Crane, Mo., north-eastwardly, and Bagnell is at the end of a branch 45 miles long southwesterly from Jefferson City, Mo., and if they

should be connected as a result of this contemplated construction the new line would run through Greene, Dallas, Camden and Miller counties, traversing a region that is now without adequate railroad facilities. President L. W. Baldwin is to put the proposition before the board of directors, following conferences with residents along the proposed route.

### New Equipment.

St. Louis Southwestern Railway has ordered 1000 steel underframe freight cars and 15 superheater oil burning locomotives for delivery this spring.

Pennsylvania Railroad has ordered 1000 box car bodies from the Newport News Shipbuilding & Dry Dock Co., and 1000 from the Standard Steel Car Co. The road is also reported in the market for 1000 stock car bodies.

Among equipment inquiries noted in the market are the following: Norfolk & Western Railway, 4000 hopper cars; Atlantic Coast Line, 25 locomotives; Nashville, Chattanooga & St. Louis Railway, 50 all steel hopper ballast cars; International-Great Northern Railroad, 3 passenger cars, 2 chair cars, 4 baggage cars, and 1 combination mail and baggage car; Chicago, Burlington & Quincy Railroad, 25 baggage cars and 5 mail cars.

Central of Georgia Railway has ordered 6 smoking cars, 4 mail and baggage cars, 3 express and baggage cars and 2 combination passenger and baggage cars from the Pullman Company.

Missouri Pacific Railway is reported to have ordered 3 combination passenger and baggage cars of the gasoline motor type, Model 55, from the J. G. Brill Co.

Chicago, Burlington & Quincy Railroad has ordered 6 dining cars from the Pullman Co.

### A North Carolina Short Line.

Application has been filed with the Interstate Commerce Commission for authority to build a railroad from Hookerton to Snow Hill, N. C., a distance of about 6 miles, the applicant being the Snow Hill Railway Co. which was incorporated four years ago for the purpose of constructing this road. If built the line will connect with the East Carolina Railway at Hookerton, N. C. and with the Carolina Railway at Snow Hill. The route is through level country and the road will be built as near to standard construction as possible, it is stated, for a short line railway. Rails to be used will be relayers of the best grade from 60 to 70 pounds per yard. J. T. Hagans, of Tarboro, N. C., who is general counsel of the railroad, will have charge as to contracts for construction and all other matters relative to the work. He is also superintendent of the East Carolina Railway. The directors of the Snow Hill Railway Co. are Josiah C. Exum, Drew S. Harper, C. L. Blount, S. H. Hicks, J. H. Harper, M. W. Warren, J. E. Herring and J. Paul Frizzelle.

### A Record Year on the Western Maryland.

The Western Maryland Railway Company had the best year in its history during 1923 according to the statement of earnings and expenses just published. Operating revenues for the year totaled \$23,055,036.29; increase as compared with 1922, \$4,428,380.65; operating expenses, \$17,716,433.87; increase, \$2,995,174.90; net operating revenues, \$5,338,602.42; increase, \$1,433,205.75; operating income, \$4,334,238.62; increase, \$1,034,551.71; total income, \$4,810,087.29; increase, \$1,551,676.10; net income, \$1,671,168.81; increase, \$1,578,951.87.

Although the operating revenues for December showed a decrease as compared with the same month of 1922 the operating expenses displayed a much larger decrease, so that the net operating revenue of the month was over \$378,000 as compared with something more than \$235,000 for that month a year ago. Net income for the month was \$121,315 as compared with \$7303 in December, 1922.



## GOOD ROADS AND STREETS

### \$3,000,000 IN NORTH CAROLINA ROAD CONTRACTS.

#### A Total of 100 Miles of Highways and Three Bridges.

Raleigh, N. C.—Contracts have been awarded by the State Highway Commission here for building 100 miles of roads, with structures, and for three bridges, all at a total cost of about \$3,000,000.

The awards include the following: For 11.56 miles in Bertie County, R. G. Lassiter, Raleigh, contractor at \$151,721; bridges in Camden County, W. B. Bradley, \$12,396; 10.01 miles in Duplin County, Highway Engineering & Construction Co., \$242,685, and to Hobbs Des Moines Steel Co., at \$16,117 for structures; 11.09 miles in Pender County, Public Service Production Co., \$372,798, and for 2.52 miles of gravel in Lee County, Austin & Ritchie, Ritchfield, N. C., \$21,363; C. D. Rigsbee, Durham, N. C., receiving contract for structures at \$5020.

For 4.46 miles of grading in Vance County, T. W. Chandler, Virgilina, Va., was awarded contract at \$37,449, and J. A. Marrow, Soudan, Va., \$38,973 for structures; 6.19 miles of grading in Richmond County, T. W. Chandler, \$41,606, and Yadkin Construction Co., at \$24,573 for structures; 5.34 miles in Ashe County, J. F. Mulligan, \$98,762, and to Boose & Boyd at \$23,647 for structures; 12.52 miles in Caldwell County, J. M. Gregory & Co., Newton, N. C., \$453,527, and to Berry Fortune Construction Co., at \$36,295 for structures; 8.07 miles in Davis County, Hardaway Contracting Co., Columbus, Ga., \$282,758.

To build 9.51 miles in Henderson County, J. M. Gregory & Co. received contract at \$280,580; 8.62 miles in Cherokee County, Wilson Construction Co., Rutherfordton, N. C., \$81,006; 8.35 miles of grading in Cherokee County, H. T. Moore, \$32,981; 47 miles waterbound macadam between Brevard and Lake Toxaway, Piedmont Construction Co., \$12,238; 1.57 miles of waterbound macadam in Transylvania County, W. H. Anderson Construction Co., Spruce Pine, N. C., \$45,432, and to R. C. Stevens at \$16,178 for structures.

Contract was also awarded for 2.31 miles of paving on Eagle Island causeway in New Hanover County, to F. J. McGuire, Richmond, Va., at \$93,160; for bridge over Deep Creek in Chatham County, Yadkin Construction Co., at \$66,989, and for a bridge over the Pee Dee River connecting Richmond and Anson counties, to Hardaway Contracting Co. at \$286,660.

#### Bids Invited on 35 Miles of Texas Roads.

Greenville, Tex.—Bids will be opened on February 26 by the Commissioners Court of Hunt County at its office here for the construction of approximately 35 miles of road, including 32.3 miles in Hunt County and 2.6 miles in Hunt and Hopkins counties, the last named section to be awarded jointly by the commissioners courts of the two counties. Projects located entirely in Hunt County include 12 miles of the Wolfe City road extending from a point six miles north of Greenville through Wolfe City to the Fannin County line, work on which will consist of quarrying, hauling and placing local stone base.

Bids will also be received for gravel surfacing and building 7000 square yards of reinforced concrete section pavement on 15 miles of the Quinlan road, extending from a point 5 miles south of Greenville through Quinlan to the Kaufman County line, and for 5.3 miles of gravel subbase, waterbound macadam base and inverted penetration top

on the state highway from a point six miles west of Greenville through Floyd to the Collin County line.

On the same date, the commissioners courts of Hunt and Hopkins counties will open bids here for grading, placing gravel, surfacing, building concrete drainage structures and 1200 feet of timber trestle on 2.6 miles of state highway No. 1 from Commerce southeast to about 800 feet in Hopkins County.

### Virginia Opens Bids on 80 Miles—Lowest Bids Total Over \$1,800,000.

Richmond, Va.—Bids for the construction of one bridge and twelve road projects covering a total of nearly 80 miles, have been opened by the State Highway Commission. The total of lowest bids is \$1,837,681 and includes the following: For 12.2 miles from Suffolk to the North Carolina line, the O. F. Layton Construction Co. of Richmond, \$387,970; 6.6 miles between Charlotte Courthouse and Phenix, Jefferson Bros., High Point, N. C., \$52,834; 13.5 miles between Deep Creek and North Carolina line, General Construction Co., Norfolk, \$118,584, and for 5 miles from Roanoke south, Robert Construction Co., Pulaski, Va., \$168,911.

For 2 miles of grading between Moorefield and Hamlin, the London Company, Johnson City, Tenn., is lowest bidder at \$55,786; 8.5 miles between Lunenburg Courthouse and Keysville, Ballard & Hern, Bedford, Va., \$215,542; 5.1 miles between Chase City and Boydton, Tinslew Construction Co., Roanoke, \$155,752; 4 miles from Gore to West Virginia line, J. J. Chandler, Virgilina, Va., \$78,942; 5.9 miles from Red Hill north, Pace Construction Co., Roanoke, \$200,874; 5 miles from Roanoke south, J. A. Morrow, Clarksville, Va., \$90,560; 3 miles of concrete between Gloucester and Woods Cross Roads, Perkins & Barnes, Blackstone, Va., \$87,067, and for 6 miles from Mechanicsville east, Maloney Paving Co., Richmond, \$216,147.

Overstreet & Nance of Richmond are the lowest bidders at \$8731 for the construction of a bridge over Little Otto River in Bedford County.

#### Votes \$590,000 for Roads and Bridges.

Sarasota, Fla.—Bonds in the sum of \$500,000 have been voted by Sarasota County for building a system of roads as recently laid out by the county commissioners and a citizens committee, while \$90,000 has been voted to build two bridges. One of these will connect the Tamiami Trail on the mainland with Sarasota Key, and the other the mainland with Treasure Island, formerly known as Casey's Key.

The bond issue will include \$75,000 voted by Englewood special district to widen and resurface the Tamiami Trail from Venice south to Salt Spring, and for other work. Another highway to be built will be known as the Ringling road, reaching to the southeastern part of the county.

#### Dade County May Call Bond Election.

Miami, Fla.—At the monthly meeting on February 12 and 13, the Dade County Commissioners will probably decide whether to call a special election on \$200,000 of bonds to match a similar amount of federal and state funds for building the proposed highway from Miami to the Broward County line on the east side of the Florida East Coast railroad. At the same time a bond issue will probably be considered to complete the West Dixie highway to the Broward County line. This highway will start at Magnolia Park and N. E. Second avenue, Miami, and for much of the distance will parallel the first named road.

### **\$1,000,000 in Paving Begun at Dallas—Other Large Contracts Soon.**

In a letter to the MANUFACTURERS RECORD, E. A. Kingsley, city engineer of Dallas, Texas, writes: "I have under contract, work upon which is just being started, paving to the amount of \$1,000,000. On February 11 bids will be received for paving amounting to a little more than \$1,000,000. Figuring on a 30-ft. roadway, which is the standard for residence streets in Dallas, the yardage above adds about 25 miles to our paved streets.

"This is just about one-third of our paving program outlined for the next two or three years. You are of course familiar with the \$5,000,000 Santa Fe terminal project, which is being pushed very rapidly, and the buildings are now being torn down for the \$1,500,000 twenty-story structure being erected by the Republic National Bank.

"We are spending about \$500,000 in sanitary sewer extensions and sewage disposal plants, \$300,000 for storm drainage and are building between four and five miles of concrete sidewalks per month."

It is stated that most of the paving will be of six-inch concrete base with two-inch topping, with a few streets to be of five-inch base, and on one brick topping may be laid.

### **Bids Wanted for 13 Miles of Road in St. Landry Parish and 8 Miles in Morehouse.**

Baton Rouge, La.—Sealed bids will be received until February 21 at the office of the Louisiana Highway Commission, for the construction of 13.21 miles of road in St. Landry Parish, including 7.37 miles on project 387-B, 3.19 miles on project 387-A and 2.65 miles on project 388.

A separate contract will be executed for each section, although project 387-A and project 388 will be considered together in order to determine the successful bidder for these two sections. Project 387-B will be considered independently of the other sections. Bids will also be received for furnishing washed or sand-clay gravel, or both, for surfacing these sections and separate contracts will be executed for each.

The commission will also receive bids until the same date for building 8.056 miles of Federal aid project 142-B in Morehouse Parish, and for building Bayou Boeuf bridge and approaches in state project 142-C, connecting Morehouse and Ouachita parishes. Bids are wanted also for furnishing gravel for these projects.

### **Kanawha County to Expend \$500,000 for Roads.**

Charleston, W. Va.—Road work to be undertaken in Kanawha County this year will cost about \$500,000 and plans are being made by the county engineering department to award contracts in the spring. Bids will be asked about March 1 on 14½ miles in Union district for which a bond issue of \$220,000 will be available, and on nearly the same mileage in Loudon district to be paid for from a bond issue of \$200,000. In Washington district, 3 miles will be built to be paid for from a \$30,000 bond issue, part of which has been expended. A 3-mile section on Brier Creek and 2 miles on Fair Branch will also be let to contract.

### **\$250,000 Bridge for Fort Bend County.**

Richmond, Tex., February 2—[Special.]—Bids will be opened on February 15 at the office of Charles H. Kendall, county engineer, Sugarland, Tex., for the construction of a bridge by Fort Bend County near this city, at an estimated cost of \$250,000. The structure will be of the cantilever design, having a 20-foot roadway with a cement floor. The main span will be 264 feet, with two arms 132 feet each and two approaches.

### **Roadway Approaches to Edwards Ferry Bridge Near Completion.**

Writing the MANUFACTURERS RECORD with reference to roadway approaches to the new bridge at Edwards Ferry, near Scotland Neck, N. C., construction of which is practically complete, Nello L. Teer of Durham, contractor, states that the project is 12½ miles long and involved about 400,000 cubic yards of earthwork, including 300,000 cubic yards of fills from one to twenty feet high. About half the fills were cast in with a Giant elevating grader, made by the Western Wheel Scraper Co., Aurora, Ill., the machine being pulled by a 10-ton tractor of the C. L. Best Tractor Co., San Leandro, Cal.

An outfit of 105 mules, with two Western wheeled scrapers and plows, was put on the project, the ploughing being done with a light Best tractor and the high fills being topped with Baker-Maney wheelers, made by the Baker Manufacturing Co., Springfield, Ohio, also pulled by a Best tractor. The project was surfaced with gravel and sand clay, 30 one-ton Ford trucks being used for hauling and a B shovel, manufactured by the Erie Steam Shovel Co., Erie, Pa., used for loading. Cast iron lock joint pipe was furnished by the American Casting Co. of Birmingham, and small structures such as box culverts were built by Richey Bros.

The larger bridges, which total about 6000 feet in length are being built by the Pensacola Shipbuilding Co. of Pensacola, Fla. J. C. Gardner of Tarboro, N. C., is the district engineer.

Other work which Mr. Nello has under construction for the state embraces 79 miles gravel and sand-clay roads and 12 miles of grading for hard surfaced roads. He is using his own equipment consisting of 250 mules, dump wagons, wheel scrapers, graders, tractors, etc., and expects to complete all projects by October of this year.

### **Winston-Salem Lays 320,339 Square Yards Paving.**

Winston-Salem, N. C.—Figures compiled in the office of Captain Harry L. Shaner, commissioner of public works here, indicate that a total of 320,339 square yards of paving was laid in Winston-Salem for the year ended December 31, 1923. This total is divided as follows: Bitulithic, 206,528 square yards; sheet asphalt, 86,243 square yards; Kentucky rock asphalt, 5229 square yards; Durax block, 1700 square yards; concrete, 20,639 square yards.

The paving was laid on concrete base and represents a total of 1645 miles for the year, making a total for the city of more than 66 miles.

### **A Texas County Invites Bids.**

Daingerfield, Tex.—Sealed proposals will be received until February 25 by the Commissioners Court of Morris County at the County Clerk's office here, for the improvement of 5.08 miles of state highway No. 35. Detailed plans and specifications of the work may be seen at the office of McClendon & Purnell, engineers, Corsicana, and Daingerfield, and at the office of the State Highway Department at Austin.

### **To Vote on \$210,000 Road Bonds.**

Whitesburg, Ky.—A bond election on \$210,000 has been called for March 15 by the Letcher County Fiscal Court, proceeds of the issue to be used for the construction of more roads in the county.

Contract has been awarded to the Alabama Concrete Products Co., Selma, Ala., at \$225,000, for the construction of six miles of concrete paving 18 feet wide, on the North Carolina state highway project No. 334, extending from Fayetteville to Fort Bragg.



## TEXTILE

### Improvements in Progress at Tucapau Mills—Forty Dwellings to Be Erected.

Tucapau, S. C.—Progress is being made on additions here for the Tucapau Mills, purchased several months ago by interests associated with Lockwood, Greene & Co., engineers of Boston and Atlanta. A brick and steel building containing 60,000 square feet of floor space, is being erected and it is intended to install 7000 spindles and 300 looms, for the production of crash toweling, the capacity to be 140,000 yards per week. The product will be finished at the Pacific Bleachery, under construction at Lyman, S. C. Boiler capacity will also be enlarged.

In connection with the improvements, it is announced that contract will soon be awarded by the Charlotte office of Lockwood, Greene & Co., for the erection of 40 dwellings in Tucapau village to accommodate operatives who will be added to the force when extensions to the mills are complete.

### Consolidation of Indian Head Mills of Alabama With Big New England Company.

Cordova, Ala.—Plans for consolidating the Indian Head Mills of Alabama which are located at Cordova, with the Nashua Manufacturing Co. of Nashua, N. H., operating the Nashua Mills and the Jackson Mills, both at Nashua, have been announced. Products of the Nashua Mills include cotton flannels, dometts and blankets. The Jackson Mills produce Indian Head cloth and mitten flannels.

It is said to be the plan of the consolidated company to use the Indian Head Mills to make those products which may be manufactured more advantageously in the South. These mills at present manufacture sheetings, drills, Osnaburgs and flannels.

### Will Build Knitting Mill at Galax.

Galax, Va.—Arrangements have been made by the Galax Knitting Co. of High Point, N. C., which has recently incorporated, to build a knitting mill here for the production of 500 dozen pairs of hosiery per day. The company will erect a mill building 60 by 150 feet, of brick mill construction, and install 50 knitting machines to be electrically driven. It is estimated that the building will cost \$25,000 and the machinery \$30,000, contract for the latter having been awarded to Scott & Williams of New York. Organization of the company has not yet been effected, but C. C. Robbins will be the manager. In the construction of its plant the company will act as its own architect.

### Two High Point Mills to Build Additions.

High Point, N. C.—Extensive additions and improvements are to be made to the plants here of the Highland Cotton Mills, Inc., and the Piedmont Mills Co., both of which will increase their capital stock from \$250,000 to \$500,000, as announced a few weeks ago. J. H. Adams is president of both companies, the first of which produces carded hosiery yarns and supplies it to the Piedmont mills for the production of hosiery.

### Purchases Echota Cotton Mills No. 2.

Rome, Ga.—J. A. Strain, who has been president of the Echota Cotton Mills and the Calhoun Yarn Mills, both at Calhoun, Ga., has purchased Echota Cotton Mills No. 2, at Rome and will change the name to the Strain Cotton Mills. This plant is equipped with 5000 ring spindles, 60 broad looms and 60 narrow looms for the production of flat duck.

### Standard Knitting Mills' Improvements.

The Standard Knitting Mills, Knoxville, Tenn., writes the MANUFACTURERS RECORD as follows: "We are making an addition to our finishing plant in order to bring the production capacity of our cutting and finishing rooms up to the capacities of the other departments. The building cost will be in the neighborhood of \$35,000. Construction will be of brick, with steel sash, and floors will be supported by steel I-beams so as to eliminate all posts."

### Perdue Spinning Company Organized.

Gastonia, N. C.—For the purpose of serving as a holding company to take over the lease of the Cardinal Mills at West Point, Miss., the Perdue Spinning Co. has been organized and will maintain office here. The Cardinal Mills are equipped with 5584 ring spindles and 3000 twister spindles, producing combed peeler yarns, 36 to 40 single and ply, warps, cones, skeins and tubes. Lease on the plant has been held by E. T. Switzer.

### Cotton Grading System Described.

The story of cotton grading and classifying is told in a circular issued by the Agricultural Department. The recent adoption of official cotton standards of the United States as Universal Standards for grading American cotton everywhere makes the circular particularly timely and interesting.

It contains a history of the grading and classification of cotton, and presents a description of the various methods used in the past to grade cotton, with a full discussion of the theory, elements and purposes of the classification of cotton, from the viewpoint of the Department.

### Cotton Manufactures in Georgia.

"Industrial Georgia; Cotton Manufacturers," is a finely printed and made book of more than a hundred pages issued by the Georgia Railway & Power Co., of Atlanta, which serves electricity for light and power at very many industrial plants. It is bountifully illustrated with pictures of the power stations and their development, the cotton mills—with in and without—the cotton mill villages, up-to-date and modern in their dwellings and their equipment, and it is, moreover, full of valuable information concerning the continued growth of textile mills in the South. Everyone interested in the progress of industry will find this book full of valuable information.

### Cotton Weaving Unpopular—Lancashire Girls Ashamed to Be Called "Weaver."

Manchester, England, January 14—[Special.]—Some remarkable statements were made recently by W. Wilkinson, the Principal of the Blackburn Textile College at Blackburn, Lancashire. He declared that cotton weaving had grown unpopular and unless immediate steps were taken to improve its status and the comfort of its workers, the Lancashire cotton industry would be faced with a problem almost as complicated and acute as that of a shortage of cotton. "I have great admiration for Lancashire cotton weavers," said Mr. Wilkinson, "and had they been less efficient or had they refused to keep pace with the ever-increasing demands upon their patience and skill, automatic looms would have been used in Lancashire years ago."

It had been suggested that the term "weaver" was crude and that many Lancashire girls when on holiday or "in company" preferred to hide their identity. He suggested that this might be set right by altering the description to "fabric makers" or "piece goods workers." "Lancashire's greatest assets are its workers, which are second to none in the world but do they work under the best conditions? The cotton industry of Lancashire has an ample supply of brains, but it is questionable whether the right type of men are always given the important positions," he said.

# LUMBER AND BUILDING MATERIALS

## Active Lumber Business.

Washington, January 31.—Telegraphic reports to the National Lumber Manufacturers Association from 382 of the larger lumber mills of the country show a gain in lumber production and shipments for the week ending January 26, over the preceding week, with some decline in current orders. The first four weeks of 1924 indicate that the new year compares favorably with normal years, although less than the extraordinary rush of business in the winter of 1923, that being a record-breaking year. Production has even exceeded production in 1923, while there has been a decline of about 8 per cent in shipments and 9 per cent in current orders.

Unfilled orders, for 139 Southern Pine Association mills and 128 West Coast Lumbermen's Association mills, were 848,122,979 feet, as compared with 858,974,539 for the preceding week. The Southern Pine unfilled orders were 359,150,514, as against 362,343,774 for the preceding week; and the corresponding figures for the West Coast mills by themselves are 488,972,465 and 496,630,765 respectively.

For all of the mills of the seven regional associations making comparable weekly reports, being 382 mills for the past week and 374 for the preceding week, shipments were 115 per cent and orders 117 per cent of production. For the Southern Pine mills by themselves these percentages were 116 and 112 respectively, and for the West Coast mills 110 and 110. Five associations, with 355 reporting mills, whose normal production for the week is 222,655,257 feet, showed actual production 97 per cent of normal; shipments 112 and orders 111 per cent thereof.

The following table compares the lumber movement for the 3 weeks indicated:

	Past Week	Corresponding Week 1923	Preceding Week 1924 (Revised)
Mills .....	382	379	374
Production .....	227,961,420	204,681,865	221,361,006
Shipments .....	261,400,518	241,344,770	222,759,239
Orders .....	265,718,091	279,306,206	281,670,285

The lumber movement for the first four weeks of 1923 and for the same weeks of 1924 was as follows:

	Production	Shipments	Orders
1924 .....	786,921,286	854,466,824	980,014,410
1923 .....	753,788,788	932,761,199	1,072,188,601
1924 Increase .....	33,132,498	.....	.....
Decrease .....	.....	78,294,375	92,174,291

## LUMBER MOVEMENT FOR FOUR WEEKS, AND FOR WEEK ENDING JANUARY 26.

	Production		Shipments		Orders	
	1924	1923	1924	1923	1924	1923
<b>Southern Pine Association:</b>						
Total .....	275,367,977	275,836,225	310,907,181	334,361,208	345,375,085	404,577,315
Week (139 mills) .....	78,259,094	70,417,820	91,007,910	79,489,671	87,814,650	101,077,735
<b>West Coast Lumbermen's Ass'n.:</b>						
Total .....	357,198,413	329,791,926	360,317,564	395,329,160	394,781,325	452,085,359
Week (128 mills) .....	103,564,537	95,669,633	114,078,614	108,596,614	113,635,441	119,561,171
<b>Western Pine Mfrs. Ass'n.:</b>						
Total .....	56,804,000	46,071,000	87,476,000	92,686,000	113,975,000	90,150,000
Week (40 mills) .....	17,452,000	12,662,000	27,241,000	25,194,000	28,800,000	25,500,000
<b>Calif. Redwood Ass'n.:</b>						
Total .....	29,778,000	24,466,000	28,488,000	30,372,000	31,395,000	47,424,000
Week (15 mills) .....	8,724,000	6,352,000	8,801,000	7,517,000	8,013,000	10,410,000
<b>North Carolina Pine Ass'n.:</b>						
Total .....	22,352,996	27,771,337	24,230,179	29,508,931	36,382,000	31,085,927
Week (33 mills) .....	7,597,289	7,672,812	8,075,694	7,630,085	8,539,000	10,219,300
<b>Northern Hemlock &amp; Hardwood:</b>						
(Softwood) Total .....	6,101,000	8,321,000	5,948,000	7,681,000	8,073,000	9,609,000
Week (17 mills) .....	1,071,000	2,246,000	1,505,000	1,956,000	1,895,000	2,056,000
<b>Northern Pine Mfrs. Ass'n.:</b>						
Total .....	25,603,900	29,727,300	27,906,900	31,831,900	36,281,000	25,652,000
Week (10 mills) .....	6,379,500	7,052,600	7,786,300	8,563,400	12,548,000	7,323,000
<b>General Total for 4 weeks:</b>						
(Softwood) .....	773,206,286	741,984,788	845,273,824	921,770,199	966,462,410	1,060,583,601
<b>Northern Hemlock &amp; Hardwood:</b>						
Hardwoods (4 weeks) .....	13,715,000	11,804,000	9,193,000	10,991,000	13,552,000	11,605,000
<b>Calif. White &amp; Sugar Pine Mfrs.:</b>						
(4 weeks) .....	13,075,000	.....	37,030,000	.....	.....	.....
<b>General Total for week:</b>	227,961,420	204,681,865	261,400,518	241,344,770	265,718,091	279,306,206
Calif. White & Sugar Pine reports not included in totals, because "orders" not reported.						

The West Coast Lumbermen's Association wires from Seattle that the 128 mills reporting to the West Coast Lumbermen's Association for the week ending January 26, manufactured 103,564,537 feet of lumber; sold 113,635,441 feet and shipped 114,078,614 feet. Production for the reporting mills was 18 per cent above normal; new business was 10 per cent above production and shipments were less than 1/2 per cent above new business.

## Report on Southern Pine.

The Southern Pine Association for the week ended January 25 reports as follows on 139 mills:

	Cars	Feet
Orders on hand beginning of week .....	15,886	362,343,774
Orders received during week .....	3,850	87,814,650
Total .....	19,736	450,158,424
Shipments during week .....	3,990	91,007,910

Orders on hand end of week .....

Production for the week was 78,259,094 feet. Shipments were 12,748,816 feet above production or 16.29 per cent. Orders were 9,555,556 feet above production or 12.21 per cent. Orders were 3,193,260 feet below shipments or 3.51 per cent. The week was 9,384,163 feet or 10.71 per cent below normal production, and orders were 0.20 per cent or 171,393 above normal production. The decrease in orders on hand amounted to 3,193,260 feet or 0.88 per cent.

## Southern Pine Seedlings Grow Rapidly.

Very interesting observations of Southern pine growth have been made in the nursery of the Great Southern Lumber Company of Bogalusa, La., where the Southern Forest Experiment Station of the Agricultural Department Forest Service has been permitted to carry out investigations in nursery and planting practice.

Because of the large size obtained by the Southern pine seedlings in a year's time, the sides of the frames around the beds have been made from 12 to 14 inches deep, states the department, as contrasted with the 4-inch frames used in most other localities. The Southern Forest Experiment Station also has a few seedbeds at McNeill, Miss., where they are raising trees for planting on the McNeill experimental area.



### Red Spruce Outstripped by Hardwoods in West Virginia.

Red spruce makes a poor showing in height growth when in competition with the hardwoods, according to studies just completed in the Monongahela National Forest in West Virginia, by the Forest Service, of the Agricultural Department. Investigations to determine the most efficient methods of re-establishing spruce in the Southeast, were conducted by the Appalachian Forest Experiment Station, with headquarters at Asheville. On good soils, where all species were mingled, the hardwoods in practically every case outstripped the softwoods in early years, thus securing a permanent advantage. Only on thin soils or ridge tops or on poorly drained soils was spruce in the lead. Here, with reasonable protection from fire, the softwoods will continue to dominate.

### Study of Yellow Poplar in the Appalachians.

Study of the yellow poplar throughout North Carolina, Georgia, Tennessee, Kentucky, and Maryland is now being renewed by the Appalachian Forest Experiment Station. A considerable amount of yield data has been secured in Ohio from plots on which the trees were first measured and then cut into cordwood and the volume ascertained. A study was begun also on the seed production of the yellow poplar in 27 and 55-year-old forests, and the data so far shows that there is very little difference in the yield of seed from the two age classes. An average of 14 seeds to the strobile or seed container was found which probably mature into good seed.

### Paving Brick Industry Active.

A sharp increase in unfilled orders for vitrified paving brick in December is reported to the Department of Commerce by the National Paving Brick Manufacturers Association. Unfilled orders jumped to 60,624,000 as against 54,535,000 for November. This is considered an accurate gauge of the demand for early spring and summer shipments. Stock on hand exceeds the total of unfilled orders. Contractors and engineers are assisting in relieving the seasonal aspect of the industry by asking for winter deliveries, shipments for December amounting to 12,979,000.

### Association of Industries Organized at Schriever, La.—Development Possibilities Outlined.

Possibilities for the industrial development of Schriever, La., are seen in the organization of the Schriever Association of Industries, O. W. Crawford, secretary-manager, Paradis, La. Schriever is located 55 miles west of New Orleans, where the main line of the Southern Pacific Railroad crosses Bayou Terrebonne, in a rich agricultural territory. Writing to the MANUFACTURERS RECORD, Mr. Crawford says in part:

"Schriever has been born again. It is no longer owned by one man and therefore in no danger of its being a one man town. Factories other than sugar will be established here, because these famously fertile lands will grow raw materials for such industries as: Milk factories, canning factories (including oysters and shrimp from nearby, leasable, state owned waters), chemical factories, tool factories and food factories for man and beast.

"The 153,000 people surrounding Schriever will provide healthy, nearby, home-raised operatives bred to work. This densely populated agricultural district will not go on buying Indiana milk, Missouri meal, Michigan beans, Kansas hay, Nebraska mixed feeds, California oranges, and Florida vegetables.

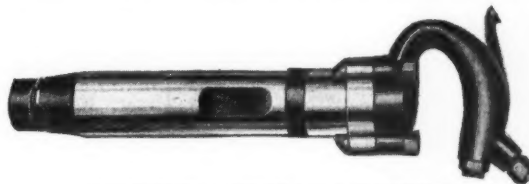
"There is almost complete a large Agricultural College, quite within walking distance of this population."

## MECHANICAL

### A New Type Riveting Hammer.

A riveting hammer of a new type which embodies several valuable and improved features is shown in the accompanying picture. This novel device is manufactured by the Ingersoll-Rand Company, 11 Broadway, New York, which has had long experience in the manufacture of pneumatic tools. The manufacturers state that the hammer has been thoroughly tested on all classes of work and it has been put on the market only after being proved entirely satisfactory under all conditions.

The outstanding characteristics of this new riveter include bolted construction for holding the handle to the barrel, heavy section valve with liberal bearing surfaces, combination poppet and piston type throttle valve, power



IMPROVED PNEUMATIC HAMMER.

in excess of all ordinary requirements, low air consumption and exceptionally easy operation. The hammer is made in three styles, A, B, and C, and there is a complete range of sizes from a 5 inch to a 9 inch stroke. Each size can be obtained with either of three types of barrel and either outside or inside trigger handles. The standard A type has a barrel machined to accommodate a rivet set clip only and is furnished when neither the bridge type or retainer type barrel is specified.

Sensitive control, ranging from a light tap to a heavy blow at the will of the operator, distinguishes these hammers, which are fast and hard hitting, yet they have less "kick back" than usual and they use less air. Because of the bolted handle construction they are lighter in the handle end, better balanced and easier to hold, especially when used horizontally or inverted. The exhaust is through the side of the barrel near the handle and it can be deflected in any direction. The hammers can be taken apart anywhere for inspection or cleaning with only the use of a wrench.

## FOREIGN NEEDS

[The MANUFACTURERS RECORD receives many letters from abroad asking for information about American goods, and others, from men who wish to represent American houses. Without assuming any responsibility for these concerns, we publish a summary of the foreign letters of inquiry from week to week.]

### Agent for General Merchandise.

Giov. Nanni, Via S. Lucia, 3, Savona, Italy.—I am in a position to act as agent-representative for the sale of general merchandise, import and export, or as broker, shipping agent, etc. I can export various agricultural products. I have a request for a large quantity of dross of zinc.

### Perfumes, Petroleum, Grease, Typewriters, Etc.

Albert A. Cohen, Mazagan, Morocco.—I wish to be put in communication with firms and individuals dealing in the following: Perfumes, petroleum, oils for all purposes, grease, typewriters, food products such as condensed milk, rice, granulated sugar, conserves of all kinds, preserved meats, etc.

### Cotton Cloth, Galvanized Pipe, Etc.

SANTIAGO BASTARDO, Jesuitas a Tionda Honda 554, Caracas, Venezuela.—I am representing at present one exporter of sanitary goods, having introduced their products during the last two years, but can take care of other business and would like to get in touch with exporters of cotton cloth of all kinds. I am also interested in galvanized pipe and pipe fittings, but English manufacturers are quoting lower prices for this than Americans. Business must be conducted on 90 days time with reliable firms.

# Construction Department

## EXPLANATORY

Additional information is published about all enterprises mentioned in this department as soon as such data can be obtained. Further facts about any incomplete or incorrect item reported in these columns are always appreciated.

## DAILY BULLETIN

The Daily Bulletin is published every business day to enable its subscribers to follow up promptly the industrial, commercial, railroad, financial, building and general business development of the South and Southwest. To machinery manufacturers and dealers, contractors, engineers, and others who require daily information of every new enterprise organized and details about important additions to enterprises already established, the Daily Bulletin is invaluable. Subscription price, \$20.00 a year.

### Bridges, Culverts and Viaducts

Ark., Walnut Ridge—Details under Drainage and Irrigation.

Fla., DeLand—Volusia County will let contract soon to furnish material and construct 2 creosoted timber bridges, to replace present Bulow Creek and Smith Creek bridges; C. L. Vining, Commr., 323 Coates St., Daytona Beach, Fla.

Fla., Miami Beach Sta., Miami—Details under Road and Street Construction.

Fla., St. Augustine—City, and St. Augustine Board of Trade interested in building concrete and steel bridge across Matanzas Bay to connect city with Anastasia Island; Address City Mgr. Masters.

Fla., Sarasota—Sarasota County will build 2 bridges. Details under Road and Street Construction.

Ga., Macon—Details under Road and Street Construction.

Ga., Macon—Details under Sewer Construction.

Ga., Midville—State Highway Dept., Atlanta, Ga., plans building treated timber bridge over Ogeechee River at Midville; cost \$60,000.

Louisiana—Louisiana Highway Comn., Raymond Bldg., Baton Rouge, received low bids for 3 bridges as follows: Lafayette Parish, 140-ft. across Bayou Vermilion, also earth approaches, on Lafayette-Broussard Highway, from Banta & Mutersbaugh, Lake Charles, at \$22,628.26; Madison & Tensas Parishes, 100-ft. across Bayou Vidal, also earth approaches, on Tallulah-St. Joseph Highway, from Meyer Greenwald Construction Co., \$13,923.97; Madison & Richland Parishes, 152-ft. across Bayou Macon, also approach, on Tallulah-Monroe Highway, Federal Aid Project 135-B, from Meyer Greenwald Construction Co., at \$41,260.65.

Missouri—State Highway Dept., Jefferson City, received low bids for 3 bridges as follows: State Project Route 42, Sec. 5—Oregon County, over Eleven Points River on road from Alton to Doniphan, from S. G. Nevels, Willow Springs, Mo.; Route 57, Sec. 3, Jasper County, on road from Opolis to Asbury, from Koss Construction Co., Des Moines, Iowa; Route 14, Sec. 48D—Phelps County, over Frisco R. R., on road from St. Louis to Springfield, from L. E. Wagner Construction Co., St. Louis.

Missouri—State Highway Dept., Jefferson City, received low bids for 8 bridges as follows: Livingston County 2 sections; over Overflow of Grand River, on road from St. Joseph to Hannibal, from A. P. Munsen, Marion, Iowa, at \$27,351.40; over Grand River, on road from St. Joseph to Hannibal, from List & Weatherly Construction Co., Kansas City, at \$68,331.12; Jackson County, over Chicago & Alton R. R., on road from Kansas City to St. Louis, Carothers Co., 310 Walsix, Kansas City, Mo., at \$8612.20; Oregon County, 3 sections on road from Alton

to Thayer; over Warm Fork of Gasconade River, J. G. Nevels, Willow Springs; over Middle Fork, Campbell Bros., 603 Kemper Bldg., Kansas City, Mo., at \$14,135.45; over Eleven Points River, Missouri Bridge & Iron Co., St. Louis, Mo., at \$17,681.13; Shannon County, 2 sections on road from Salem to Eminence; over Current River, M. E. Gillioz, Monett, Mo., at \$62,963.17; over Current, Kess Construction Co., Des Moines, Iowa, at \$85,921.63.

North Carolina—State Highway Comn., Raleigh, N. C., let contracts for 3 bridges as follows: Project No. 352—New Hanover County, 2.31 mi. paving over Eagle Island Causeway from Cape Fear Ferry, to F. J. McGuire, Richmond, Va., at \$93,160; 404-C-Chatham County, over Deep Creek on road between Pittsboro and Sanford, to Yadkin Construction Co., at \$66,989.49; 610-Anson County, Richmond Bridge over Pee Dee River, on Route 20, to Hardaway Construction Co., Charlotte, at \$286,660.19.

Okla., Grandfield—Grandfield Bridge Co., capital \$85,000, incorporated by W. A. Fuqua, Fred Comstock and others.

Okla., Laverne—Harper and Beaver Counties Comms., let contract to Woodward Construction Co., to build bridge across Clear Creek at Sumpter Crossing.

S. C., Lexington—State Highway Dept., Columbia, S. C., let contract to Garrison Bros., Easley, at \$8959.38 for overhead crossing of State Highway No. 2, over Seaboard Air Line Ry., at Dixiana, Lexington County.

Tex., Cotulla—State Highway Dept., Austin, Tex., plans building bridge over Nueces River at Cotulla.

Tex., Hallettsville—Lavaca County let contract to L. E. Sanders, San Antonio, at \$124,964.92 to construct bridges and culverts on 14.3 mi. State Highway No. 3-B.

Tex., Houston—Harris County plans reconstructing all bridges, not concrete or creosoted timber, on Alameda Road; estimated cost \$18,000; Howe & Wise, Engr., 812 First National Bank Bldg.

Tex., Sinton—Details under Road and Street Construction.

Va., Bedford—State Highway Comn., Richmond, Va., received low bid from Overstreet & Nance, Richmond, at \$8731.70 for bridge over Little Otto River.

Va., Norfolk—Walter H. Taylor, 3rd, Director of Public Works, will receive bids until Feb. 8 to furnish materials and build reinforced concrete bridge between Riverfront and Algonquin Park; plans, etc., on file.

Va., Richmond—City plans expending \$40,000 for concrete bridge over railroad tracks at intersection of Cowardin and Semmes Aves., South Richmond; Allen J. Saville, Director of Public Works.

### Canning and Packing Plants

Ark., Texarkana—Twin City Packing Co., capital \$100,000, incorporated by A. W. Tarant, A. F. Wickman and others.

Mo., Ava—Roy Nelson has acquired Hitchcock Canning Factory; will erect addition and install machinery.

Mo., Buffalo—Bonner & Case of Marshfield, Mo., are interested in company that will erect canning plant.

Okla., Vinita—J. W. Wallace interested in establishment of cannery.

S. C., Ninety Six—Ninety Six Community Warehouse & Canning Co., will erect cannery.

### Clayworking Plants

Tenn., Nashville—Liberty Brick & Tile Co., R. M. Hall, Pres., 116 21st Ave., S., has plant with daily output of 50,000 brick; contemplate building a continuous kiln. (Lately noted.)

Tex., Coleman—C. W. Martin, of Dallas, Tex., has acquired J. P. Morriss' brick plant; will operate.

### Coal Mines and Coke Ovens

Ala., Ragland—Seaboard Coal Mining Co., Inc., chartered by G. M. Powell, H. P. Smith and others.

West Virginia—Fordson Coal Co., Henry Ford, owner, Detroit, Mich., reported to install six new mine tipples, five to be erected at plants on Pond Creek and one to replace the old tippie at the J. J. B. mines at Davy.

West Virginia—Hunter Crucible Steel Co. of Cleveland, Ohio, acquired 4064 acres of coal land and 3 developed coal mines in Upshur, Webster and Nicholas counties; included in the purchase are the Excello mine of the Hesper C & O Co., which includes 764 acres of Kitanning coal land; Pittsburgh mines Nos. 1 and 2 of Philmont Coal Co., embracing 600 acres of coal land in Upshur County near Buckhannon, and a tract of 2700 acres of Kanawha series belonging to the Stanfield Coal Co. of Clarksburg, W. Va., which is undeveloped, located in Nicholas and Webster counties; will develop, increasing production to 2500 tons per day.

W. Va., Lumberport—Sitnek Coal Mining Co., capital \$500,000, organized with Louis Sitnek, Pres., Philadelphia, Pa.; Ralph L. Rankin, Sec.; has acquired Katherine mine of the Antler Coal Co., including 200 acres of Pittsburgh coal land; will expend \$100,000 in equipment.

W. Va., Meriden—Meriden Smokeless Coal Corp., capital \$250,000, incorporated by E. A. Ballers, Wm. A. Arnold and others.

W. Va., Rhoderfield—Spice Creek Land Co., capital \$15,000, incorporated with E. W. Culen, Pres., Welch, W. Va.; D. J. M. Cook, Treas., Kimball, W. Va.; L. J. Sing, Sec., Welch, W. Va. has leased 102 acres coal land containing 1,000,000 tons coal; will develop.

### Concrete and Cement Plants

Fla., Sanford—Florida-McCracken Concrete Pipe Co., W. J. McCracken, Pres., Box 872, has \$70,000 plant under construction, to manufacture concrete sewer pipe. (Lately noted to erect.)



Fla., Tampa—Florida-McCracken Concrete Pipe Co., W. J. McCracken, Pres., Box 872 Sanford, Fla., will begin construction about Feb. 10 of plant to manufacture concrete sewer pipe.

### Cotton Compress and Gins

Ark., Ozark—W. A. Sossman will erect cotton gin; 24x80 ft.; frame work with inside metal covering; daily output 30 bales of cotton; will install steam power plant. (Lately noted.)

Tex., Dallas—Continental Gin Co., 3701 Race St., let contract to Stearman & Son, at \$22,000 to erect cotton gin; brick; fireproof, steel sash and doors; 52x94 ft.; 2 stories; tar and gravel roof; concrete foundations; will install 2 model gin outfits for show purposes; P. O. Pederson, Archt. (Lately noted.)

Tex., Seagraves—T. R. Hogan of Hogan Cotton Co., McAlester, Okla., has purchased machinery for gin plant.

### Drainage and Irrigation

Ark., Walnut Ridge—Comms. of Robinson Drainage Dist. of Lawrence County receives bids this week to construct the following:

A—Main ditch, 30,066 cu. yds. excavation, clearing 2½ acres.

B—Lateral No. 1, 4,542 cu. yds.

C—Lateral to lateral No. 1 with its laterals, 2041 cu. yds.

D—Lateral No. 2 with its laterals, 2597 cu. yds.

E—Lateral No. 3, 53 cu. yds.

F—Ten bridges, total length, 176 ft.; H. W. Townsend, Comms., Walnut Ridge.

Fla., Bartow—City, C. V. Mgr. receives bids Feb. 15th to furnish material, equipment and labor and construct certain work in and adjacent to Bartow, approximately as follows: 4.5 miles of drainage canals consisting of 108,000 cu. yds. of excavation; E. V. Camp and Associates, Consulting and Supervising Engrs., Bartow, Fla.

Miss., Charleston—Matthews Bayou Drainage Dist., J. H. Caldwell, Sec. receives bids until Feb. 11 to construct levees and ditches, work includes about 9 mi. ditch, 108,000 cu. yds. and 5 mi. levee, about 3000 cu. yds.; Elliott & Harman Engineering Co., Engr., Memphis, Tenn.

### Electric Light and Power Plants

Ala., River Falls—River Falls Power Co., will erect 7400 h.p. hydro-electric plant on Conecuh River; 2000 k.v.a., 138 r.p.m. ver-

tical, 2300 volt, 3 phase, 60 cycle generators direct connected 2450 h.p. vertical single runner water wheels; plans being prepared; will purchase all material and equipment; construction to begin in summer; Southern Engineering Corp., Engrs., Albany, Ga.

Ark., Decatur—City is planning construction of electric light plant. Address The Mayor.

Fla., Miami Beach—Dade County Power & Light Co., incorporated with A. G. Galloway, Pres.; V. Robinette, Sec.-Treas.

Fla., Ocala — Ocklawaha Reclamation Farms has been granted permission to construct 700 h.p. project in Marion county at government lock and dam on Ocklawaha River.

Fla., Melbourne—City granted 30 years franchise to Melbourne Utilities Co.

Ga., Hinesville—City Council will install electric light plant.

Md., Annapolis—Annapolis & Chesapeake Bay Power Co., is offering for sale an issue of \$800,000 first mortgage gold bonds.

Md., Baltimore—Johns Hopkins Hospital and University, Wolfe and Monument Sts., let contract to Consolidated Engineering Co., Calvert Bldg., to construct power house to supply heat and power for entire group of hospital buildings and for proposed School of Hygiene and Public Health; cost \$700,000.

Maryland — Youghiogheny Power Co., Youghiogheny Water & Electric Power Co., and the Youghiogheny Hydro-Electric Co., Wm. D. Macmillan, Equitable Bldg., Baltimore, Md. has applied to Public Service Commission for permission to consolidate and issue \$7,750,000 of securities; companies will construct four dams and 3 power stations, Sand run development, Swallow Falls development and Deer Creek development, from which dam the water will be taken by conduit to Swallow Falls power house and the Crellin development; Crellin dam will serve chiefly as reservoir to supply water during dry seasons to the other 3 developments; Deep Creek development will consist of an earthen storage dam, with concrete core wall about 75 ft. high storing 3,750,000,000 cu. ft. of water; stored water will be carried through conduit 9 ft. in diam. and horseshoe shaped; maximum head of 437 feet available; conduit will be about 700 ft. long leading from intake at dam to surge tank, from this point the conduit will be a steel pipe 9 ft. in diam. and about 1000 ft. long and will serve 212,000 k.v.a. hydro-electric units; Deep Creek development will produce annually approximately 41,000,000 kilowatt hours; power house will be constructed in units; Chas. B. Hawley & Co., Inc., Munsey Bldg., Washington, D. C., are engineers. (Lately noted.)

Miss., Yazoo City—City, E. P. Swain, Mayor, contemplates construction of approximately 3200 ft. of white way system on Broadway and Main Sts.; M. L. Culley, Jackson, Miss., Engr. in charge.

N. C., Walnut Cove—City let contract to M. E. Jones & J. E. Hayes, of Walnut Cove, for construction of dam and power house; contract for machinery for power and contract for power lines not let; H. R. McPherson, City Clk. (Lately noted.)

N. C., Waynesville—Pigeon River Power Co., has been granted preliminary permit by Federal Power Comm. to construct 60,000 h.p. project on Pigeon River; F. R. Weller, Mills Bldg., Washington, D. C. is consulting engineer. (Previously noted.)

Tex., Austin—Details under Land Developments.

Tex., Columbus—Dr. A. S. McDaniels of San Antonio, Tex. and O. A. Zumwalt, of Columbus, applied to Board of Water Engineers for permission to construct power dam on Colorado River, to supply power for lighting city and for textile mills.

Tex., Leonard—Bailey Light and Power Co., lately noted incorporated by Lee Weathers and others, will construct 7 miles of transmission line connecting Leonard and Bailey, develop 25 k.w.; material purchased.

Tex., Lubbock—City, M. S. Ruby, Mgr. opens bids Feb. 5 to construct addition to light plant.

Tex., Snyder—Snyder Utilities Co., D. P. Snyder, Pres. will rebuild plant lately noted burned; 56x108 ft.; steel; fireproof; electric machinery purchased; contract for building let to Truscon Steel Co., Youngstown, Ohio.

Va., Narrows—Virginian Railway Co., H. Fernstrom, Ch. Engr., Norfolk, Va., has retained Gibbs & Hill, Conslt, Engrs., Pennsylvania Station, New York City, as designing and constructing engineers in connection with electrification from Roanoke to Mullens; have let practically all contracts.

Va., Salem—City, J. P. Broome, City Mgr., plans expending \$20,000 during 1924 on permanent improvements, including telephone and white way system.

### Fertilizer Factories

Ala., Montgomery—Gulf States Chemical and Refining Co. has leased Montgomery Light & Power Co.'s plant for three years; power will be used for manufacture of calcium arsenate capacity of plant will be in excess of 20 tons daily.

### Flour, Feed and Meal Mills

Md., Kansas City—Moore Lowry Flour Mill Co., lately noted incorporated with \$50,000 capital, has taken over business and property of The Kansas City Milling Co.

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MANUFACTURERS RECORD

BALTIMORE, MD

Tenn., Chattanooga—Lawrenceburg Roller Mills, Lawrenceburg, Ind., has leased building and will establish warehouse and distributing branch; will install machinery.

Tenn., Morristown—Morristown Flour Mills increased capital from \$60,000 to \$150,000.

Tenn., Waynesboro—Wayne County Milling Co. will increase capital \$10,000 to install additional machinery.

Va., Winchester—Green Spring Flour Mill, Inc., Grimes, Va., lately noted incorporated with \$10,000 capital, Wm. Dorsey, Pres., Winchester, R. F. D. No. 2, will erect 50 bbl. capacity flour mill; fireproof; cost \$12,000; W. B. Harper, Constr. Engr.

W. Va., Huntington—Keister Milling Co. increased capital from \$100,000 to \$200,000.

### Foundry and Machine Plants

Ala., Attalla—National Pipe & Foundry Co., increased capital from \$100,000 to \$525,000.

Ark., Fort Smith—Machine Shop—Company incorporated by Simon Yaffe, Fort Smith, and D. M. Boal of Poteau, Okla.; capital \$10,000; has leased building at North 10th and B Sts.; will install machine shop for repairing machinery, etc.

La., New Orleans—International Harvester Co. reported to have acquired building occupied by the New Orleans Corrugated Fibre Box Co. to be utilized for expansion of the company's tractor and agricultural department; plan installation of complete service facilities; building has 87,000 sq. ft. floor space.

Md., Baltimore—Monarch Engineering & Manufacturing Co., 1206 American Bldg., incorporated by Harry D. Harvey, Ethel R. Gray and others; to manufacture blast furnaces, etc.

Mo., Louisiana—Buffum Tools, Inc., chartered by W. G. Martqua, J. W. Porter, Jr., and others.

S. C., Greenville—H. W. Butterworth & Sons Co., Philadelphia, Pa., has leased with option to purchase the plant of the Greenville Iron Works on Markley St., will operate; repairing textile and various types of machinery.

Tex., Dallas—Moline-George Co., capital \$400,000, incorporated with R. B. George, Pres. and Gen. Mgr.; J. D. Clark, Sec. and Resident Mgr.; is consolidation of the New Moline Plow Co. and the R. B. George Machinery Co.

Tenn., Rockwood—Rockwood Stove Works. Harry Howard, Mgr., reported to install additional department to make hot blast heaters and nickel castings; increasing plant's capacity.

### Gas and Oil Enterprises

Ark., Camden—R. E. Reeves and associates will erect carbon black plant near Camden; cost \$350,000.

Ark., El Dorado—Arkansas Light & Power Co., Arcade Bldg., has acquired distributing system of Citizens Light & Power Co.

Ga., Atlanta—Atlanta Gas Light Co. has applied to State Public Service Comsn. to issue \$187,000 refunding and improvement bonds.

Tex., Cisco—Western Oil Sales Corp. has acquired refinery plant of Eastland Pioneer Co.; will operate.

Fla., Clearwater—City contemplates voting on \$150,000 bonds for gas plant. Address City Commrs.

Ga., Augusta—Gas Light Co., reported to have been acquired by Southern Gas & Electric Power Corp., Lexington Bldg., Hambleton & Co., both of Baltimore, Md., and United Chemical Industrial of Phila., Pa.

Ky., Paducah—Paducah Electric Co., Inc., Harry T. Edgar, Pres. lately noted having been granted franchise to extend gas mains; will expend \$15,000 on mains and \$8000 for service pipe during year of 1924.

Miss., Hattiesburg—Donald Oil Co., capital \$50,000, incorporated by J. D. Donald, John E. Green and others.

Okla., Okmulgee—C. E. Reynolds Drilling Co., capital \$25,000, incorporated by C. E. Reynolds, F. E. Boden and others.

Tenn., Chattanooga—Edward Fowler and F. E. Lewis of Fowler-Lewis Cultivator Co. interested in erection of \$50,000 plant in St. Elmo for the purpose of reclaiming waste oil.

Tenn., Nashville—Nashville Gas Co., will expend \$145,000 in construction of 15 miles of gas mains.

Tex., Austin—Details under Land Developments.

Tex., Houston—The Blakely Co., capital \$100,000, incorporated by Basset Blakely, R. E. Gore and others.

Tex., Luling—Rio Bravo Oil Co. has acquired entire holdings of M. K. Towns Production Co., including 50 acres of oil lands and will develop.

Tex., Orange—Calcasieu Petroleum Co., incorporated with Charles G. Hooks, Pres. Beaumont, Tex.; E. M. Ogden, Sec.-Treas.; offices in George Holland Bldg.

Tex., Brownwood—James Construction Co., Dallas, has contract at \$125,000 for constructing 8-in. gas main from Jane Ellen gas field to Brownwood, distance of 12 miles.

Tex., Wichita Falls—R. M. F. Oil Co. acquired 40 acre tract of land in Archer County.

W. Va., Bluefield—Bluefield Gas & Power Co., J. C. Nichols, Manager, plans extensive improvements; included in the program are the following: erection of 200,000 cu. ft. capacity storage tank; high pressure main which will run direct from the plant across Gravelly Ridge to connect with South Bluefield main; cost about \$60,000; Sanderson & Porter, New York City, reported engineers.

### Ice and Cold-Storage Plants

Fla., Quincy—Allen & Cory, Inc., will erect 200 h.p. hydro-ice plant, 11 ft. head on Little River; will purchase machinery and equipment Southern Engineering Corp., Engr., Albany, Ga.

Fla., Umatilla—City, contemplates installing raw water ice system; Address J. Alex. Morrell.

Miss., Jackson—Morris Ice Co., let contract to W. J. McGee to erect ice factory building on Commerce St., brick construction, fireproof, most modern design; let contract to Vilter Manufacturing Co., Milwaukee, Wis., for refrigerating machinery, daily capacity of plant 100 tons daily with storage capacity of 1200 tons. (Lately noted.)

Mo., Louisiana—Louisiana Pure Ice & Supply Co., will erect 3-story ice cream and cold storage plant; cost \$75,000; H. C. Reiff, East St. Louis, Ill. is preparing plans.

N. C., Charlotte—Details under Miscellaneous Enterprises.

N. C., Forest City—Forest City Oil Mill Co., J. E. Lipscomb, will install 10-ton capacity, raw water ice plant; invite prices on new and used equipment. (See Machinery Wanted—Ice Plant Machinery.)

S. C., Greenville—Lindsay Manufacturing Co., incorporated by R. F. Lindsay and others, will establish plant for manufacturing machinery to make ice from raw water, without the use of chemicals; daily output 300 cans.

Tex., Brady—Mayhew Produce Co. is having plans prepared for erection of ice and cold storage plant; capacity 15-ton with five cold storage rooms to be installed and poultry feeding station.

Tex., Dallas—Poultry Producers Exchange of the Texas Farm Bureau, G. T. Platt, Mgr., plans building cold storage system with probably eighteen units, located at different places; estimated cost \$300,000.

Tex., Nacogdoches—Nacogdoches Ice Cream Co., capital \$17,700, incorporated by Eugene H. Blount, R. G. Muckleroy and others.

Tex., Waco—Big Four Ice Co., will install refrigeration plant and ice station at corner Columbus and 12th St., has acquired 75x165-ft. site, will improve; storage room to have capacity of 30 tons; total expenditure about \$27,000.

Va., Danville—The Danville Co., Inc., capital \$16,000, incorporated with J. T. Helms, Pres.; C. D. DeHart, Sec.

### Land Development

Ala., Birmingham—Realty Purchase Co., capital \$25,000, incorporated with Shuford E. Snyder, Pres.; D. T. Cross, Treas.

Fla., Babson Park—Roger W. Babson will develop holdings at Babson Park into city; will install utilities; erect bank, post office, garage, stores, apartment houses, etc.

Fla., Brooksville—Dairy Fruit and Garden Co., Lakeland, Fla., acquired 14,000 acres of land and will develop.

Fla., Lakeland—City votes March 4 on bonds for following: \$63,000 for purchase of site for athletic field and \$27,000 for improvement to field; \$40,000 for municipal abattoir; \$15,000 for cemetery improvements; \$15,000 for improvements to incinerator; \$10,000 for improvements to shores of city lakes. Address City Commrs.

Fla., Miami Beach Sta., Miami—Details under Road and Street Construction.

Fla., Miami—Company incorporated with \$100,000 capital, R. J. Arthur, Pres.; E. Rosenthal, Sec., will develop tract of 62 acres of land along Miami canal east of Hialeah.

Fla., Okeechobee—B. A. Howard interested in establishment of golf course.

Fla., St. Petersburg — Boulevard Bay & Land Co. has engaged John J. Watson, Toledo, O., as landscape architect for planning, layout and designing of Florida Riveria; Northern Dredge & Dock Co., Minneapolis, Minn. has contract for large portion of dredge work and excavation. (Lately noted.)

Fla., St. Petersburg—South Florida Land & Development Co., 669 Central Ave., capital \$500,000, incorporated with W. P. Loomis, Pres.; Geo. W. Foster, Sec.

Fla., Sarasota—D. C. Clarke of St. Louis Real Estate & Development Co., St. Louis Mo., has acquired 90 acre tract of land at Siesta Key and will develop.

Fla., St. Augustine—W. A. MacWilliams, J. Herman Manucy and associates acquired about 1000 acres of land and will develop.

Fla., St. Petersburg—J. Read Voigt and W. Ellison Wornold have acquired 30 acres of land and will develop for subdivision.

Fla., Tampa—D. P. Davis of Miami, Fla., contemplates acquiring southern portion of Big Island and entire Grassy Island and will develop for winter resort; reported to expend millions of dollars on improvements to include long stretches of parks, hotels and dwellings, causeway, deep water channel; concrete sidewalks, install complete lighting system, etc.

Fla., Winter Haven—T. P. Witherspoon of Knoxville, Tenn. has acquired 225 acre tract



including 80 acre orange grove and will develop for subdivision; will construct streets, etc.

Ga., Savannah—Savannah's Industrial Development Corp., chartered by Samuel B. Adams, Andrew Apres, A. S. Bacon and others; will purchase and develop O'Brien tract for factory sites.

Md., Baltimore—Kremen Realty Co., 819 Equitable Bldg., capital \$10,000, incorporated by Abraham Kremen, Joseph M. Truitt and others.

Md., LaPlata—Oakland Orchard, Inc., capital \$25,000, incorporated by Harry B. Bradstreet, F. Stone Posey and others.

Md., Towson—The Towson Co., capital \$100,000, incorporated by S. Duncan Black, Alonzo G. Decker and others.

Mo., Hollister—Tobacco Growers Investment Co., lately noted incorporated with W. P. Heath, Pres.; G. F. Huckstep, Sec.; will colonize land in White River County with tobacco growers and farmers from other states.

Mo., Kansas City—John H. Kelly & Son, Inc., capital \$10,000, chartered by John H. and J. W. Kelley and others.

Mo., Kansas City—W. M. Henson and Willard P. Hovey acquired 80 acres of land at Seventy-fifth St. and State Line Road and will develop for subdivision.

N. C., Asheville—S. and B. Realty Co., 17 Broadway capital \$100,000, incorporated by J. Leo Sugg, Walter C. Britt and others.

N. C., Charlotte—Grayson Park Realty Co., W. H. Rhyne, Pres., E. F. Gallagher, Sec., has acquired 60 acres of land on Monroe Road and will develop for subdivision; lay streets, sidewalks, etc.

Tenn., Johnson City—Austin Springs Land Co., capital \$20,000, incorporated by W. J. Barton, James A. Sumners and others.

Tex., Austin—Yellow House Land Co., M. H. Reed and W. H. Badger, Trustees, will develop subdivision in Lamb and Hockley counties; will install gas and electric lights; water works; roads and streets; will expend about \$250,000; Jeff Williams, Constr. Engr., Plainview, Tex. (Lately noted.)

Tex., Fort Worth—Lone Star Land Co., incorporated by George T. Veal, Bob Slaughter and others.

Tex., Fort Worth—Tom B. Owens acquired 10,000 acres and will develop for farming.

Tex., Houston—South Texas Real Estate Co., incorporated by Royce Chapman, J. Arseneaux and others.

Tex., El Paso—Lacosmotolite Co., incorporated by Benito Solis, Sabas Galvaniz and others.

Tex., Taylor—Taylor Country Club, J. W. Armstrong, Pres., has acquired 93 acres tract on Washington Heights and will develop for country club.

Va., Luray—Blue Ridge Land Co., lately noted incorporated, \$10,000 capital, Wm. F. Keyser, Pres., has 260 acres of land at Thornton's Gap; plans not developed.

Va., Norfolk—Central Coroner Corp., chartered with Bruce Lowenberg, Pres.; Monroe L. Bardach, Sec.

Va., Norfolk—Hampton Boulevard Corp., capital \$20,000, incorporated with Earl W. White, Pres.; G. Mason Smith, Sec.

Va., Norfolk—Main Street Investment Corp., capital \$15,000, chartered with J. B. Smith, Pres., W. C. Etheridge, Sec.

Va., Richmond—Davis Bros., Inc. has acquired 270 ft. of land at Gilmore St. and Floyd Ave. and will develop for subdivision; will construct streets, etc.

Va., Roanoke—Huff Realty Corp., capital \$25,000, incorporated with W. P. Huff, Pres.; E. G. Upton, Sec.

W. Va., Charleston—Enterprise Realty Co., increased capital from \$350,000 to \$400,000.

### Lumber Enterprises

Ala., Evergreen—People's Planing Mill Co., capital \$10,000, incorporated by W. B. Ivey, W. K. Horton and others.

Ala., Mobile—Washington Lumber & Turpentine Co., capital \$10,000, incorporated by Frank W. Boykin, John Everett and others.

Ark., Pine Bluff—Leslie Lumber & Supply Co., increased capital from \$50,000 to \$200,000.

La., Garden City—F. B. Williams Cypress Co., Ltd., L. K. Williams, Sec.-Treas., has acquired the Albert Hanson Lumber Co. Plant No. 2, will operate; has no plans for future development. (Lately noted.)

La., Monroe—R. L. Hudson Lumber Co., main office, Ruston, La., capital \$225,000, incorporated with R. L. Hudson, Pres.; L. H. Pace, Sec.-Treas.

Louisiana—Powell Lumber Co., W. P. Weber, Pres., Lake Charles, La., has acquired 6000 acres timber land in Allen County; plans for development not completed.

Mo., St. Louis—Eppler—Meyer Lumber Co., increased capital from \$25,000 to \$50,000.

N. C., Thomasville—M. A. Edwards of Charlotte and E. A. Goodman of Salisbury, have acquired tract of land, will erect lumber plant.

Tenn., Chattanooga—Blair Lumber Co., increased capital from \$75,000 to \$150,000.

Tex., Kerens—B. F. Newsom will erect saw mill at the Anderson crossing on Chambers Creek, has machinery.

Tex., San Antonio—Mellif-McAllister Co., increased capital from \$125,000 to \$175,000.

W. Va., Charleston—Three Forks Lumber Co., capital \$50,000, incorporated by G. E. Davis, E. R. Mosser and others.

### Metal-Working Plants

Md., Baltimore—A. K. Robins & Co., 116 Market Place, capital \$100,000, incorporated by Robt. A. Sindall, Harry R. Stansbury and others.

Tenn., Knoxville—The Fulton Co., W. M. Fulton, Pres., let contract to J. M. Dunn & Son to erect 2 story, 144x60-ft. addition to plant on Kingston Pike; reinforced concrete and steel construction; estimated cost \$50,000; present machinery will be moved into new structure and will also buy additional equipment; manufacture temperature regulating devices and valves.

### Mining

Mo., Rush Tower—Missouri Marble Quarries, Inc., Boatmen's Bank Bldg., St. Louis, Mo., reported to have acquired the Thym Cut Stone Co., at Brannon and Odell Ave., including buildings and equipment together with 56,000 sq. ft. of land on which the company plans erecting additional buildings and equipment cost approximately \$100,000; Missouri Marble Quarries was recently formed to take over the marble quarries owned by Geo. J. Breaker in Jefferson County, Mo. Address machinery proposals to H. A. Preuss, Secy., Boatmen's Bank Bldg., St. Louis, Mo. (Lately noted.)

N. C., Carthage—Blue Mining & Manufacturing Co., capital \$125,000, incorporated by W. McC Blue, A. B. Cameron, both Carthage, Dr. J. P. Monroe, Sanford.

South Carolina—Kreb Chemical Co. of Newport, Delaware, reported to have purchased 120 acres of Bartys in York County, S. C.

Tenn., Ashwood—Ridley Phosphate Co. Mount Pleasant, C. W. Alexander, Sec., will develop about 200 acres phosphate land, daily output of mines approximately 150 tons; will install phosphate washing and drying machinery; I. L. Chadwell, Construction Engr., Mt. Pleasant, Tenn. (Lately noted.)

Tex., Brownwood—Gulf, Colorado and Sante Fe Ry. Co., F. Merritt, Chf. Engr., Galveston, Tex., has leased Hall Mountain at Brownwood for rock crusher purposes, will install machinery and equipment; W. W. Wilson, Special Engr., Temple, Tex.

Tex., Llano—J. L. Arlitt, care of the Littlefield Bldg., Austin, Tex., has acquired holdings of the Opaline Granite Co.; will develop.

### Miscellaneous Construction

Fla., Kissimmee—Tanks, etc.—Gulf Refining Co. reported to erect tanks and warehouses; estimated cost \$20,000; W. L. Marter, in charge.

Fla. Lakeland—Incinerator—Details under Land Developments.

Fla., Miami Beach, Sta., Miami—Bulkhead—Details under Road and Street Construction.

Fla., St. Petersburg—Dredging—Boulevard & Bay Land & Development Co. let contract to Northern Dredge & Dock Co., Metropolitan Bank Bldg., Minneapolis, Minn., to dredge section in connection with development of 3200 acres of land.

La., Baton Rouge—Canal—City Commrs. opened bids for the construction of three concrete canals in the city, following are the lowest bidders for each project; R. J. Estep & Co., of Dallas, Tex., at \$63,520.80 for Goose Hollow canal; C. B. Stewart of Baton Rouge, La., at \$41,064.33 for St. Philip St. canal and for Roseland Terrace canal at \$14,200.25.

La., Shreveport—Levee—Caddo Parish Levee Board invites bids for construction of levee on Crescent place.

Tex., Galveston—Dredging—U. S. Engineer Office, will receive bids until March 3rd, to dredge Sabine-Neches waterway.

Tex., Houston—Piers—Port Comms. let contract to Doullut and Williams, Inc., at \$176,900 to construct pier 13 and grain carrier at the site of pier 14, two units of the north side docks at the turning basin; pier 13 will be 420 ft. long, work will begin immediately in conjunction with construction of piers 10, 11 and 12 which also have been awarded to Doullut and Williams (lately noted); the four piers giving 2140 additional feet of dockage space.

W. Va., Moundsville—Incinerator—City let contract to Charles F. Walters to erect 30 ton daily capacity incinerator with provision of an increase of 25 per cent if needed; will erect 24 x 24 fireproof building on N. Tomlinson Ave. with an 80-ft. smokestack; cost \$13,970.

### Miscellaneous Enterprises

Ala., Birmingham—Southern Construction Co., capital \$25,000, incorporated with J. T. Mahoney, Pres.; Mabel Mahoney, Sec.

Ala., Mobile—Stevens Cigar Co., capital \$10,000, incorporated with B. R. Stevens, Francis E. Stevens, Sec.

Ala., Montgomery—Alabama Highways Advertising Co. increased capital from \$10,000 to \$25,000.

Ala., Sheffield—Colbert Hotel Co., capital \$100,000, incorporated, W. H. Martin, J. E. Logomarsino and others.

Ala., Troy—Troy Hardware Co., capital \$25,000, incorporated with J. A. Brantley, Pres., James T. Brantley, Sec.

Ark., Arkansas City—Red Star Baking Co., capital \$45,000, incorporated by Louis Deltzman, E. E. Hopson and others.

Ark., Fort Smith—Fort Smith Sorghum Co., capital \$10,000, incorporated with Louis Lorenz, Jr., Pres.; J. A. Shibley, Sec.-Treas.

Ark., Hot Springs—Frank A. Stearns Hardware Co., capital \$50,000, incorporated by F. A. Stearns, E. H. Wooten and others.

Ark., Pine Bluff—Pine Bluff Produce & Provision Co., increased capital to \$100,000.

Ark., Siloam Springs—Stockburger's Inc., capital \$35,000, chartered by A. E. Stockburger, W. O. Burns and others.

D. C., Washington—North American Light Corp., chartered by I. W. Ellenberger, E. B. Bowles and others.

Fla., Jacksonville—Cheek-Neal Coffee Co., Leon T. Cheek, V.-Pres., let contract to Turner Construction Co., of Atlanta, Ga., to erect 5 story structure on East Bay St., fireproof construction, containing a total of 75,000 sq. ft. of floor space. Roy A. Benjamin, Archt., Jacksonville. (Bids lately noted.)

Fla., Lakeland—Abattoir—Details under Land Developments.

Fla., Miami—Grocers' Baking Co., Oscar Fitzpatrick, Pres., have begun construction of building corner N. E. Main Court and 19th St.; estimated cost \$200,000; daily capacity of plant 20,000 loaves of bread; J. G. Gault, Archt.

Fla., Miami Beach Sta., Miami—Fire Alarm System. Details under Road and Street Construction.

Fla., Oldsmar—Dairy—W. F. Allen reported to have acquired tract of land to establish dairy farm with herd of fifty cattle; improvements will cost approximately \$100,000.

Fla., Plant City—Non-Glaring Headlight Co., capital \$25,000, incorporated with J. A. Burney, Pres.; F. L. Householder, Sec.

Ga., Atlanta—Stockade—City has \$25,000 available to establish municipal stockade. Address Mayor Sims.

Ky., Barbourville—Honey Mint Co., capital \$10,000, incorporated by W. C. Black, W. H. Mitchell and others.

Ky., Hickman—The Amberg Co., capital \$50,000, incorporated by H. L. Amberg, A. R. Stone and others.

Ky., Louisville—Community Family Laundry Co. increased capital from \$13,000 to \$20,000.

Ky., Louisville—Herald-Post Co., capital \$1,400,000, incorporated with James B. Brown, Pres., Lewis C. Humphrey, Editor; formed by merger of Louisville Herald Co. and Louisville Post Co. (Lately noted.)

Ky., Louisville—Perpetual Laundry Machinery Co. increased capital from \$100,000 to \$500,000.

Ky., Louisville—United States Foll Co. will erect \$15,000 factory at 13th and Grand Sts.

La., New Orleans—Nu-Way Player Roll Machine Co., capital \$25,000, incorporated with J. J. Davilla, Pres.; R. A. Dowlin, Sec.; manufacture music rolls.

Ky., Paintsville—F. S. Van Hoose & Co., capital \$50,000, incorporated by F. S. Van Hoose, S. F. Williams and others.

Ky., Paducah—Butler-Malone Undertaking Co., 226 N. Fourth St., will establish undertaking plant.

Ky., Seco—Pfening & Snyder, capital \$10,000, incorporated by Henry Pfening, Paul C. Snyder and others.

La., Shreveport—Housman Roofing Co., Inc., capital \$20,000, incorporated with James S. Meriwether, Pres.; G. A. Houseman, Treas.; H. A. Chalin, Sec.

Miss., Hattiesburg—Hattiesburg Coffee Co., capital \$10,000, incorporated by J. P. Smith, O. G. Pace and others.

Md., Baltimore—Ott Construction Co., 1804 Baker St., capital \$10,000, incorporated by Jacob Ott, Louis A. Young and others.

Md., Frostburg—Prichard Co., Inc., capital \$100,000, incorporated by E. B. and J. S. Prichard and others.

Md., Baltimore—Simon Levin & Sons Co., 1300 Hopkins Place, capital \$50,000, incorporated by Simon Levin, Archibald Sykes and others.

Md., Baltimore—Gelfand Manufacturing Co., Ashland Ave. and Eighth St., capital \$250,000, incorporated by Simon Gelfand, Pres.-Mgr.; Maurice Notkin, Sec.

Md., Baltimore—National Cloak & Dress Co., 1 S. Hanover St., capital \$25,000, incorporated by Nathan Miller, Irvin I. Robinson and others.

Md., Baltimore—National Mail Order Co., 6 E. Mulberry St., capital \$10,000, incorporated by Geo. A. Rosette, Robt. A. Unkefer and others.

Md., Baltimore—Frederick W. Lipps Co., Inc., 1213 Fidelity Bldg., capital \$50,000, incorporated by Frederick W. Lipps, Christopher R. Wattenscheidt and others.

Md., Baltimore—Industrial Supply Co., 401 W. Lombard St., capital \$10,000, incorporated by Harry E. Clark, Wm. O. Ratcliffe and others.

Md., Baltimore—Ideal Accessories Co., 1504 Munsey Bldg., capital \$20,000, incorporated by Samuel Volkes, David Mossbacher and others.

Md., Baltimore—L. Mayers & Son Co., Inc., 1 S. Hanover St., capital \$50,000, incorporated by David Mayers, Henry Cohen and others.

Md., Baltimore—Silfred Contracting Co., 415 N. Patterson Park Ave., capital \$50,000, incorporated by Lewis Fedder, Joseph Silberstein and others.

Md., Baltimore—White Way Laundry Co., Inc., 1835 N. Port St., chartered by Charles W. Crampton and others; will erect 1 story, 30x62 ft., fireproof building, hot water heating system; R. C. Brockmeyer, Archt.; conberstein and others.

Md., Cumberland—Roman Steel Tennis Net Co., capital \$100,000, incorporated by J. Phillip Roman, Wm. H. Oswald and others.

Mo., Louisiana—Details under Ice & Cold Storage.

Md., Preston—Fire Fighting Equipment—Town, organized Volunteer Fire Department, G. Fulton Noble, Pres., contemplates installing fire fighting equipment.

Mo., Jefferson City—Sherman Robbins Hat Co., capital \$15,000, incorporated by E. H. Goldberg, Harry Gibstein and others.

Mo., Kansas City—Basel Manufacturing Co., 911 Mulberry St., capital \$20,000, incorporated by E. A. Basel, O. R. Barton and others; manufacture oil burners.

Mo., Kansas City—Puritan Laboratories, Inc., capital \$15,000, chartered by A. M. Davis, Harold Masters and others.

Mo., Kansas City—United Film Ad Service, Inc., 2449 Charlotte St., incorporated by A. V. Cauer, R. S. Ritchey and others.

Mo., Kansas City—Wine Berre Mfg. Corp., 1808 Walnut St., capital \$75,000, incorporated by H. O. Balliff, Frank Shipley and others.

Mo., Mexico—Tucker Divers Electric Co., incorporated by C. E. Tucker, Stanley H. Divers and others.

Mo., St. Joseph—Missouri Mantel Tile &

Marble Co., incorporated by Thomas Windsor, Hy. R. Rabblits and others.

Mo., St. Joseph—St. Joseph Milk Producers Assn., L. Kleinschmidt, Gen. Mgr., has building with daily output of 3000 gal. whole milk and will install 20 h.p. boiler, milk receiving scales; 10-ton ice machinery cooler room; glass lined holding vats, milk pasturizer; milk cooler; and can washer; bids opened Feb. 10. (Lately noted.) (See Machinery Wanted—Pasturizing Equipment; Scales.)

Mo., St. Louis—American Zinc Sales Co., incorporated with W. A. Ogg, Pres.; W. F. Batchelder, Sec.; F. W. Rossman, principal Agt., 1210 Pierce St.

Mo., St. Louis—R. A. Dubuque Supply Co. increased capital from \$25,000 to \$200,000.

Mo., St. Louis—Schwartz Material Supply Co., capital \$50,000, incorporated by E. H. Schwartz, J. S. Calvert and others.

Mo., St. Louis—Godefroy Manufacturing Co., incorporated by C. W. Godefroy, R. V. Larkin and others.

Mo., St. Louis—G. W. Kennedy Silk Co., capital \$30,000, incorporated by G. W. Kennedy, M. H. Hagerty and others.

Mo., St. Louis—Cosmos Electric Plant and Supply Co., capital \$30,000, incorporated by J. Carter, 5917 Bartmer St., C. P. Gabriel and others.

Mo., St. Louis—Oliver Pfost Drug Co., capital \$15,000, incorporated by N. S. Herod, H. C. Zapf, S. F. Pfost and others.

Mo., St. Louis—Mine Point Products Co., 1013 Chestnut St., capital \$30,000, incorporated by J. O. Davies, F. E. Dixon and others.

Mo., St. Louis—Victor Creamery Co., capital \$18,000, incorporated by Phil Beehold, 5471 Janet Ave.; Jacob Besemer, 2717 N. 14th St.

Mo., St. Louis—W. C. Harting Construction Co., 620 Tower Grove Ave., incorporated by W. C. Harting, J. C. Radcliff and others.

Mo., St. Louis—Parker Engraving Co., 125 S. 11th St., incorporated by Geo. H. and Wm. F. Parker and others.

Mo., St. Louis—Wright Specialty Mfg. Co., capital \$30,000, incorporated by D. M. Wright, Ray Barnard and others.

N. C., Albemarle—Yadkin Construction Co., capital \$50,000, incorporated by J. M. Boyett, J. C. Jenkins and others.

N. C., Burlington—Burlington Construction Co., 311 Main St., capital \$100,000, incorporated by C. T. Holt, Geo. Spruce and others.

N. C., Charlotte—Edward Rose Co., capital \$100,000, incorporated by Alex. Rose, Jr., Wm. G. Beck, Jr. and others.

N. C., Charlotte—Young-Cagle Drug Co., R. A. Young, Sec., increased capital from \$50,000 to \$150,000.

N. C., Charlotte—Yarbrough & Bellinger, Y. A. Yarbrough, President, will erect daylight ice cream factory on Graham St.; also three modern electrically driven ice plants, of 30-ton capacity each; first unit of ice cream plant will be 200,000 gal. capacity; plans being drawn by Victor Breeze; total ice manufacturing capacity of plants will be 250 tons daily.

N. C., Durham—Southern Lumber & Land Co., capital \$50,000, incorporated by C. C. Edwards, M. B. Moore and others.

N. C., Gastonia—American Shoe Co., capital \$100,000, incorporated by Frank Goldberg, A. R. Sherman and others.

N. C., Kittrell—Continental Plant Co., will rebuild plant, lately noted burned.

N. C., Lenoir—Sentinel Publishing Co.,



capital \$25,000, incorporated by E. J. Moore, Geo. W. Holloway and others.

N. C., Raleigh—The Miss Radio Corp., capital \$100,000, chartered by J. Maple Mills and W. Hartwick Mills and others.

N. C., Raleigh—Safety Coach Line, Inc., capital \$100,000, chartered by J. N. West, Geo. W. Robertson and others.

N. C., Washington—Eastern Carolina Bus Co., capital \$25,000, incorporated by J. M. Harrington, H. W. Bristol and others.

S. C., Florence—American Bakeries Co., E. S. Collins, Mgr., Wilmington, N. C., acquired Boyd Baking Co.'s plant and will improve.

S. C., Greenville—F. L. Henry and J. P. Smith of Fall River, Mass., have acquired Greenville Belting Co. on S. Main St.; will organize company with \$10,000 capital and operate plant.

Tenn., Chattanooga—Abeel Bros., capital \$250,000, incorporated by C. M. Abeel, E. D. Wise and others.

Tenn., Chattanooga—Palmer Clothing Co., East Eleventh St. will install \$30,000 worth of additional equipment for the manufacture of men's suits.

Tenn., Columbia—Company organized by J. J. Gray, Jr., John S. Glenn and others with capital of \$250,000; will manufacture ferrophosphorous iron.

Tenn., Englewood—James Boyd and Ed Lee will establish box manufacturing plant in O. L. Roberts Bldg.; machinery purchased.

Tenn., Knoxville—Knoxville Outfitting Co., 120 W. Vine St. increased capital from \$25,000 to \$100,000.

Tenn., Knoxville—Dempster Equipment Co., Inc., Dempster Building, 721 N. Central Ave., lately noted incorporated with \$25,000 capital organized with Geo. A. Dempster, Pres.; Robert P. Thompson, Mgr.; will establish plant to rebuild steam shovels, locomotive cars, etc.

Tenn., Knoxville—General L. D. Tyson and associates acquired Knoxville Sentinel.

Tenn., Martin—Chambers-Godfrey Manufacturing Co., has acquired Hester Building on Broadway; will remodel for manufacture of Chambers Anti-Skipper Compound.

Tenn., Murfreesboro—The Turpin & Reed Marble Co., capital \$50,000, incorporated with L. C. Turpin, Pres., Bunyan Read, V.P., and Herbert Potter, Sec.-Treas.

Tenn., Nashville—Britling Cafeteria Co., increased capital from \$25,000 to 30,000, changed name from Shacklett's Cafeteria Co.

Tenn., Nashville—Lebeck Brothers, capital \$350,000, incorporated by Louis Lebeck, Herman Glick and others.

Tenn., Nashville—Neuheff Packing Co., Monroe and Adams Sts., will erect 4-story addition, brick and concrete construction; estimated cost \$50,000.

Tenn., Pikesville—E. G. Wright interested in establishment of creamery.

Tenn., Pulaski—American Tobacco Co. let contract to John Gladish of Pulaski, to erect cigar factory; contract for heating and plumbing will be let later.

Tenn., Smithville—Seven Springs, capital \$15,000, incorporated by James C. Moore, E. A. Dearman and others.

Tex., Amarillo—Western Improvement Co., increased capital from \$100,000 to \$200,000.

Tex., Brownsville—C. C. Lambreth, Pres. of Lambreth Ice Cream Co. will erect ice cream plant; capacity 500 gals. daily; cost \$25,000.

Tex., Dallas—Crown Paper Box & Label Co., Leo Singer, Pres., lately noted incorporated with \$9000 capital; has plant for the manufacture of card board boxes, and general printing plant.

Tex., Dallas—Film Exchange—Morten Investment Co. let contract to the Southern Construction Co., to erect 2-story, 90x90-ft. film exchange building at Harwood and Jackson Sts.; structure arranged to carry third floor if necessary; companies to occupy building are: Goldwyn Co., Specialty Film Co., Southern States Film Co. and the Southern Theatrical Equipment Co.

Tex., El Paso—La Cosmopolite Company, incorporated by Benito Solis, L. P. Navaret and others.

Tex., Fort Worth—Oil Field Supply Co., incorporated by W. E. Weather, J. W. Sayles and others.

Tex., Houston—Prince Amusement Co. incorporated by L. Roberts, G. C. Burke and others.

Tex., Houston—Texas Mattress Co., incorporated by T. N. Souter, Jim H. Reeves and others.

Tex., Laredo—Laredo Construction Co., incorporated by T. J. Emerson, E. G. Clingenpeel and others.

Tex., San Angelo—Charles A. Robison Undertaking Co. increased capital from \$10,000 to \$20,000.

Tex., Tyler—Tyler Mattress Co., capital \$15,000, incorporated by E. G. Wadel, W. B. Connally and others.

Tex., Waxahachie—Waxahachie Marble & Granite Co., N. Rogers St., capital \$10,000, incorporated by S. P. Spalding, C. R. Montgomery and others.

Va., Alexandria—All-Red-E Corp., chartered with D. V. Summers, Pres., E. L. Fuller, Sec.

Va., Danville—Frix Piano and Radio Co., Inc., capital \$50,000, chartered with G. W. Frix, Pres.; C. S. Conway, Sec.

Va., Norfolk—Alford Manufacturing Co., capital \$25,000, incorporated by Jos. B. Ennis, Pres.; George J. De High, Sec.; manufacture oil burning machines.

Va., Roanoke—Griggs Packing Co., will enlarge storage department of packing plant; will erect 2 or 3 story addition; estimated cost \$50,000.

Va., Newport News—Citizens Appliance Corp., capital \$50,000, chartered with C. D. Porter, Pres.; G. H. Caskey, Sec.

Va., Norton—Sneed & St. Martin, Inc., capital \$20,000, incorporated with E. V. St. Martin, Pres., Gate City; W. F. Commann, Sec., Norton.

Va., Pembroke—Pembroke Manufacturing Co., capital \$10,000, incorporated with James W. Whyte, Pres., Welch, W. Va.; Wirt B. Snidow, Sec., Pembroke, W. Va.

Va., Petersburg—C. B. Smith Optical Co., capital \$20,000, incorporated with C. B. Smith, Pres.; Leslie M. Jones, Sec.

Va., Petersburg—Motor Bus Line—Dominion Motor Transit Corp. contemplates establishing continuous motor bus line between Richmond, Petersburg and Norfolk, with two routes from Norfolk to Petersburg.

Va., Richmond—Emergency Raincoat Corp., W. C. Carpenter, has begun the manufacture of paper raincoats, daily output 500 plans leasing plant in the East End with capacity of 5000 coats daily.

Va., Richmond—L. H. Jenkins let contract to A. M. Walkup, Richmond, to construct book bindery building on W. Broad St.; 2-stories; reinforced concrete; cost \$51,000.

Va., Roanoke—Lockett & Younger Corp., capital \$10,000, chartered with J. R. Younger, Pres.; R. G. Rogers, Jr., Sec.

Va., Norfolk—Bell Storage Warehouse Corporation increased capital from \$10,000 to \$50,000; changed name from Merchants Warehouse Corporation.

Va., Norfolk—R. E. Murray & Co., capital \$15,000, incorporated with R. E. Murray, Pres.; F. W. Russell, Sec.

Va., Portsmouth—Armistead Corporation increased capital from \$150,000 to \$250,000.

Va., Standardsville—Greene County Creamery, Inc., capital \$25,000, incorporated with G. B. Parrott, Pres., Standardsville; Peyton Brooking, Sec., Dawsonville.

W. Va., Clarksburg—Lafayette Window Glass Co., John Causslin, Pres., increased capital from \$100,000 to \$250,000; has let contract for installation of 4 Hilton cylinder type window glass blowing machines to H. L. Dixon Co., Pittsburgh, Pa.; plant will have capacity of 5000 boxes of glass weekly. (Lately noted.)

W. Va., Charleston—Charleston Milling & Produce Co., increased capital from \$300,000 to \$425,000.

W. Va., Huntington—C. E. Price & Co., capital \$80,000, incorporated by C. E. Price, J. Cary Alderson and others.

W. Va., Huntington—Sterling Co., Chicago, Ill., will establish plant at 21st St. and Second Av. for the manufacture of house dresses and aprons; will remodel building; install additional machinery.

W. Va., Logan—Wilson Creamery Co., Huntington, W. Va., has taken over and will operate the ice cream manufacturing department of Logan Baking & Creamery Co.; will install additional machinery and increase capacity of plant.

## Motor Cars, Garages, Tires, Etc.

Ala., Birmingham—Crawford Auto Shop will erect 100x90 ft. service station on Fifth Ave., S., between 20th and 21st Sts.; estimated cost \$20,000; construction to begin at once.

Ark., Little Rock—W. H. Lamberson has contract for erection of building for Wright-Mann Motor Co. at Third and Poplar Sts.; cost \$20,000.

Fla., Lake Wales—Garage—Roger W. Babson will erect 65x82-ft. public garage building at Babson Park, fireproof tile construction, red tile roof, Spanish design; has plans; will soon let contract.

La., Monroe—Cleveland Motor Co., capital \$50,000, incorporated with W. S. Terrell, Pres.; H. S. Roark, Sec.

La., Monroe—Garage—Reed-Lennon Motor will add an additional story to garage building now under construction; total expenditure \$47,000. (Lately noted.)

Md., Baltimore—Acme Sales Co., 600 Maryland Trust Bldg., capital \$10,000, incorporated by Robt. L. Waters, Willis M. Bryce and others.

Md., Baltimore—Eastwick Motor Co., 120 West North Ave., will erect 2-story, 105x150-ft. brick garage building at Remington Ave. and 29th St.; estimated cost \$75,000.

Md., Baltimore—Frank Radford & Co., Inc., 1700 N. Charles St., capital \$25,000, incorporated by Richard E. Preece, R. E. Lee Young and others.

Md., Baltimore—Northeastern Rubber Works, 3111 E. Baltimore St., capital \$25,000, incorporated by Wm. N. Saneman, John J. McCuster and others.

Md., Baltimore—Shipley Automobile Co., 421 E. Thirty-First St., capital \$25,000, incorporated by Wm. W. Shipley, C. Morris Harrison and others.

Md., Cumberland—The Bohman Motor Co., capital \$125,000, incorporated by Otto P. and Mabel L. Bohman, both Hagerstown, Md.

Miss. Jackson—Holliday Life Saving Headlight Co. capital \$250,000 incorporated by T. C. Holliday John Calhoun and others.

Miss. Jackson—Vicksburg Rent-a-Ford Co., incorporated by W. J. Johnson, G. P. Hewes, Jr., and others.

Mo. Mexico—R. R. Buckner 603 S. Jefferson St. will erect garage on W. Liberty St.; 90x30 ft.; fire proof; concrete floor; Ed. Hale Contractor, Mexico.

Mo., St. Louis—Downtown Garage Co., Sam Kessler, Pres., will lease building to be erected by Martin & Breitt Real Estate Co.; structure will be 2-story, 125x300x125 ft., fire-proof, concrete roof, with ramp running to top to utilize the roof for storage purposes, capacity of building 750 cars; cost approximately \$175,000; E. Preisler, Archt.

Mo., Kansas City—Dey Motor Car Co., capital \$20,000, incorporated by Forbes S. Dey, Gertrude A. Wyatt and others.

Mo., St. Louis—St. Louis Auto Laundry and Cleansing Co., capital \$15,000, incorporated by D. Breck, J. R. Longmire and others.

N. C., Charlotte—Etheridge Motor Co., Lane Etheridge, Pres., let contract to Southeastern Construction Co. to erect 2 story, 53x235-ft. building at 4th and Graham St. install ramp instead of elevators; cost \$80,000; Lockwood, Greene & Co., Engrs. and Archts. (Bids lately noted.)

N. C., Charlotte—McDonald Service Co., capital \$60,000, incorporated by J. C. McDonald, S. J. Lowe, Jr., and others.

N. C., Charlotte—Standard Auto Parts Co., capital \$25,000, incorporated by J. C. Watson, W. H. Stone and others.

N. C., High Point—D. O. Cecil will erect garage building on Wrenn St.

Okla., El Reno—Raborn-McComb Motor Co., capital \$20,000, incorporated by F. L. Raborn, El Reno; L. A. McComb, Wilson.

Okla., Wewoka—Bob Murphy of Murphy Drilling Co., Tulsa, Okla., will erect display building.

S. C., Allendale—Garage—W. H. Hardin let contract of Sykes & Bush, Allendale, to erect public garage building, J. H. Sams, Archt., Columbia, S. C.

Tenn., Chattanooga—Prater-Saeger Motor Sales Co., capital \$50,000, incorporated by Vernon B. Prater, R. T. Faucette and others.

Tenn., Erwin—Acme Motor Co., incorporated by G. S. McNabb, J. M. Erwin and others.

Tenn., Knoxville—North Knoxville Garage, capital \$25,000, incorporated by C. H. Irish, Raymond Taylor and others.

Tenn., Nashville—Garage—J. W. Napier, 1124 McGavock St., will erect public garage building; cost \$11,000.

Tenn., South Pittsburgh—Wylie Motor Co., capital \$30,000, incorporated by James H. Wylie, Jr., M. P. Cameron and others.

Tex., Austin—Automobile Supply Co., capital \$35,000, incorporated by W. C. Bull, Alfred Fromme and others.

Tex., Austin—Filling Station—Johnson Rubber Co. will occupy drive-in filling station on Guadalupe between 5th and 6th Sts.; brick construction; to be erected by J. O. Buass & Sons; will soon call for bids; Giesecke & Harris, Archts.

Tex., Bowie—Capers Motor Co., capital \$15,000, incorporated by E. P. Capers, S. J. Thigpen and others.

Tex., Dallas—Filling Station—C. E. Simpson, 3800 Maple St. will erect oil station, brick construction, cost \$9000.

Tex., Fort Worth—Garage—Fred H. Jones let contract to Southwell & Abbot, Fort Worth

at \$75,000 to erect 3 story, brick garage and show room at corner 1st and Commerce St.

Tex., Houston—Bonner Motor Co., capital \$100,000, incorporated by A. H. and G. B. Howard and others.

Tex., Houston—Vaughn Auto Supply Co., temporary address 3416 Louisiana St. (lately noted incorporated, capital \$10,000), organized with A. A. Sterling, Pres.; W. M. Cleaves, Sec.; N. K. Robb, Treas.; B. M. Vaughn, V.-P. and Mgr.; have leased 25x100-ft fireproof building at 1717 Main St., now under construction; interested in machinery for retail and wholesale tire business. (See Machinery Wanted—Tire Machinery.)

Tex., Marion—Blumberg Motor Co., capital \$8000, incorporated by Charles F. Blumberg, Jr., A. A. Vordenbaum and others.

Tex., San Antonio—San Antonio Buick Co. will occupy 3-story, 75x140-ft. building at Broadway and 5th St., brick and concrete construction; to be erected by Pruitt & Lamm; Adams & Adams, Archts.

Tex., Lockhart—Scholl Motor Co., capital \$12,000, incorporated by H. Scholl, J. C. Buchtel and others.

Tex., Wichita Falls—A-B-Accessory Co., lately noted incorporated with \$15,000 capital, organized with J. D. Avis, Pres.; Fred L. Bronson, Sec.; has plant. (See Machinery Wanted—Iron Castings.)

Tex., Wichita Falls—Garage—Chas. M. Blalkowski received contract at \$27,490 to erect 2-story, 50x150 ft. garage (J. Hamlyn Morgan Bldg), semi-fireproof construction with second floor supported by steel girders and roof on wood trusses, brick, stone trimmings, plate glass front, steel sash, rolling steel doors and incline to second floor.

Va., Bedford—Bedford Tire & Rubber Co., Inc., L. R. Gills, Pres. will erect 1-story, 80x300-ft. brick building; will install \$75,000 tire manufacturing machinery, daily output 500 tires.

Va., Chincoteague—Chincoteague Garage, Inc., capital \$30,000, incorporated with John Leonard, Pres.; Arthur Leonard, Sec.

Va., Danville—Yellow Cab Co., capital \$25,000, incorporated with R. E. Baumann, Pres.; W. W. Keeling, Sec.

Va., Norfolk—Tide Water Tire & Battery Co., incorporated with A. D. Seddinger, Pres.; N. R. Brooks, Sec.

Va., Norfolk—Liberty Motor Corp., capital \$25,000, incorporated with A. Weaver, Jr., Pres.; M. M. Hudson, Sec.

Va., Richmond—Richmond Lyk Glass Auto Painting Corp., capital \$25,000, incorporated with John H. Beaver, Pres.; Allen G. Collins, Sec.

Va., Roanoke—Roanoke Buick Sales Co., capital \$10,000, incorporated with J. H. Marsteller, Pres.; W. C. Brigman, Sec.

Va., Suffolk—Cohoon and Co., Inc., capital \$10,000, incorporated with E. E. Cohoon, Pres.; Ida P. Gilbert, Sec.

W. Va.—Beckley—Fleshman-Carter Motor Co., capital \$50,000, incorporated by R. L. Fleshman, B. E. Carter and others.

W. Va., Charleston—Tourist Garage Co., capital \$100,000, incorporated by F. W. Johnstone, Alys B. Baines and others.

W. Va., Huntington—Garage, etc.—B. G. Cain let contract to J. E. Berry to erect 60x140-ft. 3-story building, brick and steel construction; estimated cost \$145,000.

W. Va., Morgantown—Oldsmobile Sales Corp., 379 Beechurst Ave. (lately noted incorporated, capital \$50,000), organized with Guy A. Hall, Pres.; O. W. Gregory, Mgr.; has opened bids for construction of 194x67-ft. garage building, fireproof; installed modern garage equipment; Geo. C. Cromine, Const. Engr.

## Railways

N. C., Tarboro—The Snow Hill Railway Co. has applied to the Interstate Commerce proposed line, which if constructed, will be about 6 mi. long from a connection with the East Carolina Railway at Hookerton to the Carolina Railway at Snow Hill, N. C. Route practically level. Construction, will be under the direction of J. T. Hagans, general counsel, Tarboro, who will have charge of contracts, etc., and who is also superintendent of the East Carolina Railway.

## Railway Shops, Terminals, Round-houses, Etc.

Ala., Montgomery—Atlantic Coast Line Ry., J. E. Willoughby, Chief Engr., Wilmington, N. C., let contract to Hugger Brothers Construction Co., 703 Shepherd Bldg., Montgomery, to erect nine buildings of steel, brick, frame and concrete construction; installation of machinery not in contract; A. M. Griffin, Engineer of Buildings, Wilmington, N. C. (Supersedes recent item.)

Tex., Jacksonville—Texas & New Orleans R. R. included in the Southern Pacific Lines, H. M. Lull, Chf. Engr., Houston, Tex. reported to construct repair shops and round-houses, frame and brick construction, enlarge switching yards and has acquired additional ground; plans being prepared.

## Road and Street Construction

Ala., Anniston—State Highway Dept., Montgomery, Ala., plans expending \$500,000 to build roads in Calhoun County; John A. Rogers, Chmn. of Comm.

Ala., Dora—Town plans paving Railroad Ave. with tarvia double seal pavement. Address The Mayor.

Ala., Huntsville—State Highway Comm., Montgomery, plans building north and south and east and west highway through county.

Ala., Mobile—City Commrs., will receive bids until Feb. 27 to lay 51,406 sq. yd. asphaltic pavement with 34,064 lin. ft. concrete curb; also 30,583 sq. yd. one course concrete paving, with 16,151 lin. ft. concrete curb, and 220 lin. ft. granite curb; plans, etc., from Wright Smith, City Engr.

Ala., Moulton—Bureau of Public Roads, Montgomery, Ala., plans building 2 sections of highways in Lawrence County as follows: 12 mi., extending jointly from Morgan County line to point 1½ mi. west of Moulton; both end stretches being surfaced with bituminous macadam; will improve middle portion later.

Ala., Moulton — State Highway Comm., Montgomery, will receive bids until Mar. 3 to grade, construct drainage structures and surface with bituminous macadam 5.399 mi. road in Lawrence County, Sec. A and C, being part of Deatur-Mouton road; 22,841 excavation; 327.82 cu. yd. Class A, concrete culverts; 32,559 lbs. steel reinforcing; 50,682 sq. yds. 2½-in. bituminous macadam penetration method; plans, etc. on file, and from Div. Engr., Birmingham, Ala.; W. S. Keller, State Highway Engr.

Ala., Selma—City will receive bids until Feb. 11 to pave and improve Water Ave. from Sylvan to Race St.; W. O. Crisman, City Engr.

Ala., Troy—Pike County plans building 12 mi. road from Troy to Orion; W. R. Koonce, County Engr.; J. G. Key, Probate Judge.

Ala., Tusculumbia—Southern Ry., Leslie Woodall, Supt., Sheffield, Ala., plans building underpass on concrete highway between Sheffield and Florence.

Ark., Batesville — State Highway Dept., Little Rock, Ark., let contracts for 3 sections of roads each 20 mi. long, at total cost of \$350,000, to Western Construction Co., and



R. J. Gaster, both Little Rock, and W. I. Davis, Imboden.

Ark., Forrest City—State Highway Dept., Little Rock, contemplates completing Dist. No. 1, including Highway, from St. Francis River at Madison to Monroe County line.

Ark. Little Rock—City plans paving Summit St. from 17th to Wright; 18th from Battery to Schiller; Wolfe from 7th to Wright; total cost \$93,000. Address The Mayor.

Ark., Little Rock—City let contract to Southern Material & Construction Co., Little Rock, at \$50,000 to lay asphalt top over old brick and concrete on 10th St. from High to Woodrow, then to 13th St., in Dist. No. 353; H. S. Turner, Sec. of Dist., 216 Gazette Bldg.

Fla., Gulfport—City plans paving following streets with brick: Davis Blvd., two 18-ft. street on each side of car tracks; Lakeview Ave. from Davis Blvd. to new road being built from Pasadena; Sunset Ave. 40-ft.; Grand Ave. 40-ft., and Shore Blvd. 40-ft. Address The Mayor.

Fla., Jacksonville — City let contract to Jacksonville Concrete Products Co., 520 Riverside Ave., to lay tile walks and 4x10 flush curb for driveway in Riverside Park.

Fla., Jacksonville—J. E. Iwanowski, was awarded contract to dredge embankments on Atlantic Blvd., for 3 large fills at Little Pottsburgh, Big Pottsburgh and Pablo Creeks; Marshall & Spencer Co., to furnish culvert pipe; W. D. Moody, awarded contract for lime rock for various roads. Address County Commrs.

Fla., Key West—Board of Public Works, and Florida East Coast Ry. Co., W. G. Brown, Engr. M. W., St. Augustine, plan repaving road from junction of Caroline and Grinnell Sts. to entrance to station grounds and several roadways in grounds.

Fla., Miami Beach Sta., Miami, Fla.—City plans municipal improvements and will vote Feb. 19 on \$307,000 bonds, as follows: Extend and develop waterworks, \$100,000; sanitary sewers, \$50,000; storm sewers, \$20,000; bridge over Collins Canal at Meridian Ave., \$13,500; concrete bulkhead, \$17,500; park improvements, \$25,000; fire alarm system and fire station, \$40,000; paving streets, \$40,000. Address The Mayor. (Lately noted to vote Jan. 21.)

Fla., Miami—City will receive bids soon to pave various streets in southwestern and northwestern sections, including S. W. 4th, 5th, 2nd and 7th Sts., from 12th to 17th Aves.; S. W. 13th from 8th to 13th; S. W. 14th, 17th, 13th Aves. from Flagler to 8th, etc.; estimated cost \$397,662.13. F. H. Wharton, City Mgr.

Fla., Miami—City plans expending \$200,000 to pave with bituminous macadam district between W. Flagler and S. W. 8th Sts., and 12th and 17th Aves.; F. H. Wharton, City Mgr.

Fla., Pensacola—Escambia County plans paving short section of road near city limits on Pensacola-Flomaton road near Goulding; Address County Engr. Wheat.

Fla., Sarasota — Sarasota County plans building 2 roads; voted \$590,000 bonds as follows: Road system on mainland, \$500,000; road down the keys and 2 bridges across Sarasota Bay, from Mainland to Key, \$90,000. Address County Commrs. (Lately noted).

Fla., Winter Haven—Details under Land Developments.

Ga. Columbus—City will receive bids to pave Talbot Ave.; let contract to Kershaw Construction Co., at \$1.80 per sq. yd. to pave 11th St. underpass, from 6th to 10th

Aves.; Walter A. Richards, City Mgr.; J. Homer Dimon, Mayor.

Ga., Dalton—State Highway Dept., Atlanta, Ga., approved plans for 4 mi. road from Dalton to Rocky Face; estimated cost \$45,000, also plans extending road to Catoosa County line.

Ga., Macon—City and Bibb County Commrs., have tentative plan for \$500,000 bond issue for following improvements: Paving, \$125,000; concrete bridge over Ocmulgee River, \$150,000; storm and sanitary sewers, and drainage, \$225,000. Address The Mayor.

Ga., Macon—Details under Sewer Construction.

Ga. Savannah—State Highway Dept., Atlanta, Ga., plans paving road from Savannah to Darien, connecting with Glynn County's paved roads.

Ky., Whitesburg—Letcher County plans road building; will vote March 15 on \$210,000 bonds. Address County Commrs.

Louisiana—Louisiana Highway Comm., Raymond Bldg., Baton Rouge, received low bids for graveling 3 roads as follows: St. Landry Parish, 5.43 mi., Opelousas-Ville Platte Highway, from Yosemite Construction Co., at \$32,345.59; Evangeline Parish, 11.54 mi., Eunice-Lecompte Highway, from LaHay & Bertrand, at \$44,984.03; Evangeline Parish, 9.18 mi., Opelousas-Oakdale Highway. Project 379, from J. C. Wimberly, at \$49,444.92.

La., De Ridder—Beauregard Parish, Ward Seven, plans building 2 roads, totaling 29 mi. as follows: From end of present gravel road at line between Wards 3 and 7, via Sugartown to Parish line near Pitkin, connecting with present road via Elizabeth to Oakdale; from Broadlands to Allen Parish, via Dry Creek, connecting with road to be built from Oberlin. Address Police Jury.

Md., Baltimore—Board of Awards, will receive bids at office of City Register, until Feb. 13 to repair cobble paving; plans, etc., from Bernard L. Crozier, Highways Engr.; Mayor Howard W. Jackson, Pres. Board of Awards.

Md., Baltimore—Board of Awards, will receive bids at office of City Register, until Feb. 13 to grade 40,000 cu. yd. Gwynn's Falls Parkway, from Liberty Heights Ave. to 1100 ft. south; Grading Contract No. 249-A; plans, etc., from Paving Comm., R. Keith Compton, Chmn., and Conslt. Engr., 214 E. Lexington St.

Md., Baltimore—City plans paving, repaving and re-surfacing about 19 streets, including Overland, Arabia, Lakeside, Lake, Elmley, Snowdon, Rayner and Harlem Aves.; Dale, Derby roads; Olive, Jefferson, Washington Sts., etc.; R. Keith Compton, Chmn., Paving Comm., 214 E. Lexington St.

Md., Baltimore—Paving Comm., 214 E. Lexington St., plans paving, repaving and re-surfacing about 23 streets, including Linard, Lyndhurst, Mount Holly, Edgewood, Brinkwood, Sts.; Montebello, Thorndale, and Ivy Aves., etc.; R. Keith Compton, Chmn. of Comm.

Missouri—State Highway Dept., Jefferson City, Mo., plans grading and constructing drainage structures on 16 road projects as follows: State Project, Route 36, Barton County, 4½ mi. east and west of Barton; Route 24, 4 mi. from Cole Camp west; Camden County, 2 sections; Route 15, Sec. 71, 4½ mi. from Eldon to Linn Creek; Route 15, Sec. 63-A, 5 mi. from Eldon to Linn Creek; Route 19, Crawford County, 5 mi. from Cuba to Steelville; Dent County, 5 mi. from Salem to Eminence; Route 3, 4½ mi. from Springfield south; Route 15, Monroe County, 5 mi. from Paris to Shelby County line; Route 1, Newton County, 5 mi. from Neosho south; Route 7, Oregon County, 5 mi. from Kosh-

konong south; Osage County, 2 sections; Route 12, Sec. 39, 4½ mi. from Jefferson City to St. Louis; Route 12, Sec. 42, 5 mi. from Jefferson City to St. Louis; Route 19, Randolph County, 4½ mi. from Moberly east; Route 94, St. Charles County, 5 mi. from St. Charles to Alton; Route 47, Warren County, 5 mi. from Moniteau south; Route 16, Wright County, 5 mi. from Mansfield to Cabool; B. H. Piepmeyer, Ch. Engr.

Missouri—State Highway Dept., Jefferson City, Mo., plans grading, constructing drainage structures on 8 roads as follows: Atchison County, 5 mi. from Fairfax to Tarkio, State Project, Route 1; Grundy County, 4 mi. from Daviess County line east, State Project, Route 6; Lincoln County, 4 mi. from Troy west, State Project, Route 47; Marion County, 3 mi. from Hannibal to Palmyra, State Project, Route 9; Mercer County, 4 mi. from Princeton north and south, State Project, Route 3; Putnam County, 4½ mi. from Union Mills south, State Project, Route 5; Schuyler County, 5 mi. from Lancaster south, State Project, Route 7; Sullivan County, 5 mi. from Putnam County line south, State Project, Route 5; B. H. Piepmeyer, Ch. Engr.

Missouri—State Highway Dept., Jefferson City, Mo., received low bids for 15 road projects as follows: State Project, Route 22, Sec. 17, Pike County, 1.450 mi. 16-ft. gravel surface from Curryville west, from Fermin T. O'Dell, Hannibal, Mo., at \$13,652.94; Route 5, Sec. 72—Laclede County, 4.350 mi. 26-ft. graded earth from Lebanon to Diver Creek, from Pioneer Construction Co., Springfield, Mo., at \$17,696.68; Jasper County, 2 sections; Route 57, Sec. 3, 2.717 mi. earth work from Joplin to Carthage, from Highway Construction Co., Webb City, Mo., for \$5,883; Route 57, Section 3 for 2.717 mi. 18-ft. concrete from Joplin to Carthage, V. E. Koch, Joplin, at \$30,405.12.

Cass County, 2 sections; Route 35, Sec. 5, 1.669 mi. earth work from Belton to Harrisonville, from V. E. Koch, at \$9452.34; Route 35, Sec. 5, 1.669 mi. 18-ft. concrete, from Belton to Harrisonville, from V. E. Koch, at \$23,301.88; Route 21, Sec. 4A—Washington County, 4.916 mi. 16-ft. gravel from Potosi to De Soto, from W. A. Reynolds, Marble Hill, Mo., at \$31,059; Route 15, Sec. 11A—Knox County, 3.388 mi. 16-ft. gravel surface, from Memphis to Edina, from Kerby Rainer & Co., Fayette, Mo., at \$12,601.78; Route 156, Sec. 80A—Dallas County, 4.877 mi. 16-ft. gravel surface, from Buffalo to Bollivar, from N. A. Christy, Warsaw, Mo., at \$19,740.50.

Moniteau County, 2 sections; Route 12, Sec. 29A, 2.322 mi. 16-ft. gravel from California east, from Newton Construction Co., California, Mo., at \$11,686.32; Route 12, Sec. 25, 1.132 mi. 16-ft. gravel surface, from Tipton west from N. A. Christy at \$11,249.34; Route 4, Sec. 53—Putnam County, .995 mi. 24ft. graded earth, from Unionville to Lancaster, from R. L. Thompson, Carrollton, Mo., at \$7,008.57; Federal and State Project 191A—Taney County, 4.084 mi. 12-ft. gravel surface, from Branson, east, from Co. & Chaney, Branson, Mo., at \$7980.70; Route 54, Sec. 11—Ralls County, 2.500 mi. 16-ft. gravel surface from New London west, from Firmin T. O'Dell, at \$16,105.13; Route 19, Sec. 22, Dent County, 4.969 mi. 24-ft. graded earth from Salem south, from Muskogee Construction Co., Tulsa, Okla., at \$25,140.64.

Mo., Bethany—City receives bids until Feb. 11 to grade pave and curb 20th St.; Oscar Stratton, City Clk.

Mo., Jefferson City—City plans paving Hart and Madison Sts., with bituminous macadam, and grading Dunklin St. Address The Mayor.

Mo., Jefferson City—City plans paving Madison St. from Miller to Dunklin; penetration bituminous macadam; cement curb; H. A. Hall, City Clk.

Mo., Springfield—City plans widening McDaniel, St. between Jefferson and Kimbrough Aves. Address The Mayor.

Mo., Springfield—State Highway Dept., Jefferson City, Mo., plans letting contracts soon to improve state highway from end of present concrete paving on Springfield-Ozark Highway to James River Bridge.

North Carolina — State Highway Comm., Raleigh, N. C., let contracts for 16 road projects as follows: Project No. 106-B—Bertie County, 11.56 mi. between Williamston and Windsor, to R. G. Lassiter, Raleigh, at \$151,721.40; 111-Camden County, for bridges on road from Camden Courthouse to Currituck County line to W. B. Bradley, at \$12,396; 222-Duplin County, 10.01 mi. roadway between Warsaw and Pender County line, to Highway Engineering & Construction Co., at \$242,685.20, and to Hobbs Des Moines Steel Co., at \$16,117.60 for structures; 381-Pender County, 11.09 mi. between Burgaw and Duplin County line, to Public Service Productions Co., at \$372,798; 449-A-Lee County, 2.51 mi. gravel roadway, between Pittsboro and Sanford, to Austin & Ritchie, Ritchfield, at \$21,363, and to C. D. Rigbee, Durham, at \$5020.50 for structures.

472-B, Vance County, 4.66 grading roadway between Henderson and Granville County line, to T. W. Chandler, Virgilina, Va., at \$37,449, and to J. A. Marrow, Soudan, Va., at \$38,973.10 for structures; 662-Richmond County grade and construct bridges on 6.19 mi. between Rockingham and Anson County line to T. W. Chandler, at \$41,606 and to Yaddin Construction Co., at \$24,573.52 for structures; 714-Ashe County, grading and bridges on 5.34 mi. between Jefferson and Watauga County line, to J. F. Mulligan, at \$98,762.30, and to Boose and Boyd, at \$23,647.50, for structures; 720-Caldwell County, 12.52 mi. paving between Lenoir and Hickory, to J. M. Gregory & Co., Newton, N. C., at \$453,527.60 and to Berry Fortune Construction Co., at \$36,295 for structures.

732-B-Davie County, 8.07 mi. paving between Mocksville and Winston-Selem, to Hardaway Construction Co., Charlotte, at \$282,758; 836-Henderson County, 9.51 mi. paving between Hendersonville and Buncombe County line, to J. M. Gregory & Co., at \$280,580; 912-Cherokee County, 8.62 mi. grading, between Murphy and Andrew, to Wilson Construction Co., Rutherfordton, at \$81,006.70; 912-B-Cherokee County, 8.35 mi. grading between Andrew and Project 912-A, to H. T. Moore, at \$32,981.10; 990-Transylvania, 47 mi. waterbound macadam, between Brevard and Lake Toxaway, to Piedmont Construction Co., at \$12,238; 992-Transylvania County, 1.57 mi. waterbound macadam, between Brevard and Lake Toxaway, to W. H. Anderson Construction Co., Spruce Pine, at \$45,432, and to R. C. Stevens, at \$16,178.80 for structures.

N. C., Asheville—City plans widening Valley St., to 50 ft. from Biltmore Ave. to S. Beaumont St., and ultimately to intersection with College St., in front of High School; Frank L. Conder, Commr. of Public Works.

N. C., Charlotte—Details under Land Developments.

N. C., Fayetteville—State Highway Dept., Raleigh, N. C., let contract to Alabama Concrete Products Co., Selma, Ala., at \$225,000, for 6 mi. 18-ft. concrete road from Fayetteville to Fort Bragg.

Okla., Oklahoma City—City contemplates paving Byers Ave., from 1st to 3rd Sts. Address The Mayor.

Okla., Oklahoma City—State Highway Com., Oklahoma City will receive bids until Feb. 11 to furnish material and complete system of sidewalks around State Capitol Bldg.; 70,000 sq. ft. sidewalks; 250 lin. ft. curb; 500 cu. yd. grading; 16,000 lin. ft. expansion joints; 10 cy. yd. Class A concrete; plans, etc. on file M. E. Trapp, Governor; W. C. Burnham, State Engr.

Okla., Tahlequah—City let contract to Harry Tidd, Tahlequah, at \$30,000, to pave with 6-in. concrete, with curb and gutter, 5 blocks on Depot St. Choctaw.

S. C., Bennettsville—City let contract to Carolina Construction Co., Spartanburg, S. C., for 50,000 sq. yd. paving and other improvements work on following streets: Fayetteville Ave. to city limits; Parsonage St. from Main to Fayetteville Ave.; King, from Broad to Jennings; Jennings, from extension of paving on East and West Main St.

S. C., Columbia—State Highway Dept., Columbia, received low bid from B. Jones Construction Co., at \$13,255.56, for remainder of Monticello road in Richland County.

Tex., Albany—Shackelford County plans 60 mi. gravel and bituminous macadam roads on State Highways Nos. 1-A, 23 and 18; will vote March 1 on \$500,000 bonds; Richard Dyess, County Judge.

Tex., Anson—Jones County plans road building in northern portion of County; will vote March 8 on \$600,000 bonds; J. F. Lindsey, County Judge.

Tex., Austin—Details under Land Developments.

Tex., Beaumont—City plans extending Orleans St. south to Sabine Pass Ave.; also plans receiving bids to open new street and pave Sabine Pass Ave. to Frederick St.; city, Eastern Texas Electric Co., and property holders, interested; Geo. J. Roark, City Mgr.

Tex., Beaumont—Jefferson County will receive bids until March 4, for 7.35 mi. 7-ft. reinforced concrete paricment Voth Road, State Highway No. 40; approximate cost \$240,000, A. C. Love, County Engr.

Tex., Brady—McCulloch County let contract to McCall Engineering Co., Amicable Bldg., Waco, at \$48,691.43 for 4.7 mi. gravel road on State Highway No. 9.

Tex., Edna—Jackson County plans paving and curbing Houston road and laying gravel on lateral roads; contemplates \$500,000 bond issue; Capt. Schlaffli, Dist. State Engr.

Tex., Clarksville—Red River Co., Detroit Dist., will let contract soon for 18-ft. wide concrete road to connect with concrete road at Lamar County line, will also gravel road from Detroit to Bagwell. Address County Commrs.

Tex., Coleman—City plans paving 8 business blocks on Main St.; rock base, tarvlated. Address The Mayor.

Tex., Crockett—Houston County, Lovelady Dist., plans completing section of Jim Hogg Highway, will sell \$25,000 bonds; state and federal aid. Address County Commrs.

Tex., Daingerfield—Morris County Commrs. Court will receive bids until Feb. 25 to improve 5.08 mi. Highway No. 35; 7994 cu. yd. gravel furnished by County; Federal Aid Project No. 362; plans etc., from McClendon & Purnell, Engrs., Corsicana, Tex., and from State Highway Dept., Austin.

Tex., Dallas—City plans widening and extending Orange St. from McKinney to Pacific Aves.; Maj. E. A. Wood, Engr. of City Plan Comm.

Tex., Denison—City will receive bids in Feb., to repave 14 blocks on Gandy St.; also plans expending \$225,000 to pave various other streets; will receive bids soon. Address The Mayor.

Tex., Galveston—City will receive bids until March 1 to raise grade from Ave. J. to Ave. U. and from 40 to 48th Sts., also to fill in 172 blocks, including avenues, streets and alleys, average 6 ft.; C. A. Holt, Jr., Engr.

Tex., Falfurrias—Brooks County plans improving and hard surfacing 2 roads as follows: North and south road in County, leading into Rio Grande Valley; 10 mi. gravel road being built from Falfurrias toward Kingsville and Corpus Christi; will vote in Feb. on \$250,000 bonds; T. R. Spence, Div. Engr., State Highway Dept. Address County Commrs.

Tex., Fort Worth—Tarrant County let contract to Purvis & Lowry, to surface 2 mi. road between Riverside and Birdville. Address, County Judge.

Tex., Galveston—Galveston County will receive bids until Feb. 11 to spread and grade 2000 tons mudshell on 10 mi. road between League City and County line at Brazoria County line, known as League City-Friendswood road; John M. Murch, County Auditor.

Tex., Greenville—Hunt County Commrs. Court, will receive bids until Feb. 26 for improving 3 sections of roads as follows: Quarrying, hauling and placing stone base on 12 mi. Wolfe City road from point 6 mi. north of Greenville through Wolfe City to Fannin County line; pave gravel surface and build about 7000 sq. yd. reinforced concrete overflow section pavement, on 15 mi. Quinlin road, from point about 5 mi. south of Greenville, through Quinlan, to Kaufman County line; plans, etc., from G. R. Burtner, County Engr.; gravel sub-base, waterbound macadam base, and inverted penetration top on about 5.3 mi. State Highway No. 39, from point about 6 mi. west of Greenville, through Floyd, to Collin County line; plans, etc., from J. D. Metcalfe, Res. Engr.

Tex., Greenville—Hunt and Hopkins Counties Commrs. Court, will receive bids until Feb. 26 to improve highways as follows: grading, constructing concrete drainage structures, and 1200-ft. creosote timber trestle, and gravel surface 2.6 mi. State Highway No. 1, Commerce-Sulphur Springs road, from Commerce to point in Hopkins County; County to furnish gravel; plans, etc., from J. D. Metcalfe, Res. Engr.

Tex., Hallettsville—Lavaca County Commrs. let contract to L. E. Sanders, San Antonio, at \$124,964, for bridge and road work on 14 mi. State Highway No. 3-B, from Hallettsville to Fayette County line.

Tex., Hebbronville—Jim Hogg County plans improving 11 mi. road in County. Address County Commrs.

Tex., Hillsboro—Hill County, Malone Dist., plans road building; will vote Feb. 19 on \$150,000 bonds. Address County Commrs. (Lately noted.)

Tex., Jourdan—Atascosa County plans road building; will vote March 1 on \$930,000 bonds; Hugh H. Martin, County Commr.

Tex., Kaufman—Kaufman County plans improving Greenville-Ennis road, from Kings Creek to Ellis County line; Sourry & Rosser Dist., voted \$25,000 bonds; W. P. Williams, County Judge.

Tex., Nacogdoches—City let contract to Panhandle Construction Co., Lubbock, Tex., at \$225,000 to lay 5-in. concrete and 3-in. fibre brick on 7500 sq. yd. streets. (See Machinery Wanted—Street Cleaner.)

Tex., Paris—Lamar County will build 2 roads as follows: From Blossom, 2 mi. east to County line, and 3 mi. west to point near High. Address County Commrs.

Tex., Rio Grande—Starr County will receive bids until, Feb. 27 for 2 sections of roads as



follows: 13.19 mi. gravel road on State Highway No. 12, Federal Aid Project No. 337-B; 17.58 mi. gravel road on State Highway No. 12, Federal Aid Project 337-A; plans, etc. from P. S. Devine, County Engr., and H. Garza, Jr., County Judge.

Texas—State Highway Dept., Austin Tex., plans improving 5 roads as follows: Karnes County, 7 mi. on San Antonio—Corpus Christi road; Wilson County, 10 mi. on San Antonio—Corpus Christi road; Kleberg County, hard surface 11 mi. State Highway No. 16, between Riviera and Brooks County line, on main road leading from Corpus Christi into valley; Zapata County, grade and construct drainage structure on Highway 12-B, through County; La Salle County, 44 mi. hard surface on Highway No. 2, between Laredo and San Antonio.

Tex., Sinton—San Patricio County, Mathis Dist., plans improving 11 mi. road, and building bridge over Nueces River; will vote on \$70,000 bonds. Address County Commrs.

Tex., Sulphur Springs—Hopkins County plans 33 mi. macadam with inverted penetration top road from Hunt County line to Franklin County line; Federal Aid Project 431; estimated cost \$741,043.90; J. B. Riegan, County Engr.; R. E. Bertram, County Judge.

Tex., Uvalde—Uvalde County let contract to Peterman & Robinson, Laredo, Tex., at \$50,964.96 for 5.88 mi. State Highway No. 3, Federal Aid Project 360-B.

Va., Roanoke—Lions' Club, interested in building Virginia Highway, from Washington D. C. through Leesburg, Harpers Ferry, Berryville, Winchester, New Market, Luray, Harrisonburg, Staunton, Lexington, Natural Bridge, etc., then to Washington, again.

Virginia—State Highway Comm., Richmond, Va., received low bids for 12 road projects as follows: 350—Nansemond County, 12.2 mi. from Suffolk to North Carolina line, from O. F. Layton Construction Company, Richmond, at \$387,970.37; 323—Charlotte County, 6.6 mi. between Charlotte Courthouse and Phoenix, Jefferson Brothers, High Point, N. C., at \$52,834.53; 326—Nansemond County, 13.5 mi. between Deep Creek and North Carolina line, General Construction Co., Norfolk, at \$118,584.60; F-118-A Roanoke County, 5 mi. south from Roanoke, Robert Construction Co., Pulaski, Va., at \$168,911.97; S-327—Russell County, 2 mi. grading between Moorefield and Hamlin, London Co., Johnson City, Tenn., at \$55,786.85; 118-E—Franklin County, 8.5 mi. between Lunenburg Courthouse and Keysville, Ballard & Hern, Bedford, Va., at \$215,542.26; 317-A—Mecklenburg County, 5.1 mi. between Chase City and Boydton, Tinslow Construction Co., Roanoke, at \$155,752.26; S-321—Frederick County, 4 mi. between Gore and West Virginia line, J. J. Chandler, Virgilina, Va., at \$78,942.70; S-297—Albemarle County, 5.9 mi. from Red Hill north, Page Construction Co. Roanoke, at \$200,874.54; 118-A, Roanoke County, 5 mi. from Roanoke south, J. A. Morrow, Clarksville, at \$90,560.03; 349—Gloucester County, 3 mi. concrete between Gloucester and Woods Cross Roads, Perkins & Barnes, Blackstone, at \$87,067.03; 166—6 mi. east of Mechanicsville, Maloney Paving Co., at \$216,147.27.

W. Va., Bluefield—City let contract to J. O. Mitchell, at \$10,798.75 for 5600 cu. yd. rock and earth excavation and at \$8208.75 to widen Bland St. from High to Union Sts. Address The Mayor.

W. Va., Bluefield—City will receive bids soon for 6 mi. paving, including re-paving 2 business thoroughfares with sheet asphalt over old brick pavement; approximate cost \$400,000; Address Manager Ridley.

W. Va., Clarksburg—City plans improving about 100 blocks of street, including W. Pike and Milford Sts., and Hamill Ave. in Northview. Address The Mayor.

W. Va., Charleston—Kanawha County, Washington Dist. plans building 3 roads as follows: 3 mi. on Alum Creek; 3 mi. on Briar Creek, and 2 mi. on Fair Branch; R. R. Barton, County Engr.

W. Va., Charleston—Kanawha County let contract to L. F. Chandler, Virgilina, Va., at \$84,761, to grade and drain 7.02 mi. Lens Creek road, from Marmet to Boone County line.

W. Va., Huntington—Board of Commrs., will receive bids until Feb. 15 to grade, curb and pave 21 streets, avenues and alleys, including following: Cross roads north from Norway Ave. to Highland Cemetery gate; 19th St. from Washington to Adams Aves.; North High St. from S. High to Tiernan St.; 6th, 16th, 23rd, 27th, 17th, 26th, 24th, and 34th Sts.; plans, etc. from A. B. Maupin, City Engr.

W. Va., Williamson—Mingo County will receive bids until Feb. 15 to shape road, and construct drainage structures on .8 mi. Sycamore Hill road from Sta. 75 plus 00, to Sta. 117 plus 00; 14,000 cu. yd. excavation; 1810 lbs. reinforcing steel; plans, etc. from Holton Cook, Road Engr., Williamson.

### Sewer Construction

Ala., Mobile—City Commrs., Geo. E. Crawford, Commr. receives bids until Feb. 27 for following storm sewer construction: 2100 ft. of 6-in., 5584 ft. of 10-in., 9854 ft. of 12-in., 5765 ft. of 15-in., 4955 ft. of 18-in., 220 ft. of 20-in., 2972 ft. of 24-in. pipe; 205 inlets; 56 special basins; 75 manholes; 1030 ft. of concrete culverts; 7 head walls and 4 concrete shutes; Wright Smith, City Engr.

Ala., Russellville—City, W. W. Ramsey, Mayor, receives bids until Feb. 20 for construction of approximately 9 miles sanitary sewers ranging from 8 to 15-in., together with required manholes, masonry piers, etc.; Robt. L. Cottman, Const. Engr., Birmingham.

Ala., Tuscaloosa—City let contract to Sullivan, Long and Haggerty of Bessemer Ala., to construct storm sewers; cost \$24,020. (Lately noted.)

Fla., Miami Sta., Miami—Details under Road and Street Construction.

Ga., Macon—City, J. E. Yates, Mayor, pro tem, has tentative program for submission of \$500,000 bonds for the following improvements: \$225,000 for sanitary sewers, storm sewers and drainage; \$125,000 for paving and \$150,000 for new bridge across Ocmulgee River.

Ga., Macon—Details under Road and Street Construction.

Mo., Chillicothe—City will receive bids until Feb. 20 for construction of sewer in Dist. No. 1; Jewell Miller, City Auditor.

Mo., Sikeston—City will vote March 1st on bonds for installation of sewer system; plan to install artesian well for water supply. Address The Mayor.

N. C., Edenton—City, E. I. Warren, Mayor receives bids until Feb. 10 to furnish all materials and lay approximately 4400 lin. ft. of storm drains, and appurtenances; work consists of terra cotta or concrete pipe in existing open ditches and backfilling, sizes vary from 12 to 36-in.; Blair & Drane, Inc., Engrs., 719 Commercial Bldg., Charlotte, N. C.

N. C., Jefferson—Details under Water Works.

Okl., Apperson — Details under Water Works.

S. C., Easley—Details under Water Works.

Tex., Dallas—Klein Bros., of Dallas, has contract for storm sewer in Kessler Park Addition.

Tex., Paris—City will double capacity of sewage disposal plant; cost \$26,400; Address The Mayor.

### Telephone Systems

Alabama—Southern Bell Telephone & Telegraph Co., main office, Atlanta, Ga., will expend \$1,407,000 during year 1924 for additions and extensions to system throughout the state.

Florida—Southern Bell Telephone & Telegraph Co., main office, Atlanta, Ga., will expend approximately \$1,191,500 during 1924 for extensions and improvements to system, throughout the state.

Georgia—Southern Bell Telephone and Telegraph Co., main office, Atlanta, Ga., plans additions and extensions throughout the state, improving long distance facilities; will expend \$2,184,000 during year 1924.

Louisiana—Cumberland Telephone & Telegraph Co., J. W. Warren, Mgr., Monroe, La. plans expending \$2,368,400 on additions and extensions to telephone system.

Mo., Carthage—Home Telephone Co., J. G. Crane, V.-P. and Gen. Mgr., will install automatic system; work to begin soon.

Mo., St. Louis—Southwestern Bell Telephone Co., E. D. Nims, Pres., will issue \$50,000,000 bonds for extension and improvement to company's telephone plants and system.

North Carolina—Southern Bell Telephone & Telegraph Co., main office, Atlanta, Ga., will expend approximately \$1,236,700 through the state during year 1924, on additions and extensions to system.

South Carolina—Southern Bell Telephone & Telegraph Co., main office, Atlanta, Ga. plans improving system, will expend approximately \$565,300 during year 1924.

Tenn., Knoxville—Cumberland Telephone & Telegraph Co., plans expending \$3,648,000 during year 1924; improvements include additional long distance facilities, new stations, local exchange projects provide for present and future demands, etc.

Va., Salem—Details under Electric Light and Power Plants.

### Textile Mills

Ala., Cordova—Indian Head Mills of Cordova, reported to merge with Nashua Manufacturing Co. of Boston, Mass.; will use Alabama mills as feeder for New Hampshire units.

Ala., Tallassee—Mount Vernon-Woodberry Mills reported to have plans prepared by J. E. Sirrine & Co., Greenville, S. C. for addition to plant; addition will house about 30,000 spindles; cost \$1,000,000.

Ga., Griffin—Georgia-Kincaid Manufacturing Co., formed by merger of Kincaid Manufacturing Co. and Georgia Cotton Mills.

Ga., Rome—J. A. Strain, Pres. Calhoun Yarn Mills, Calhoun, Ga. has acquired Echota Cotton Mills No. 2 and will change name to Strain Cotton Mills.

N. C., Charlotte—Textile Realty Co. acquired 3-story building on Kingston Ave.

N. C., Chapel Hill—Andrews-Henninger Co., capital \$50,000, incorporated by S. W. Andrews, John W. McCauley and others.

N. C., High Point—Empire Hosiery Co., capital \$100,000, incorporated by J. H. Adams, J. E. Nillis and others.

N. C., High Point—Highland Cotton Mills, lately noted increased capital from \$250,000 to \$500,000, is reported to plan improvements to plant.

N. C., High Point—Piedmont Mills Co., lately noted increasing capital from \$250,000 to \$500,000, is reported to plan improvements to plant.

Tenn., Chattanooga—Nu-Silk Hosiery Co., incorporated by A. M. Seff, J. B. Sizer, Jr., and others.

Tenn., Knoxville—Appalachian Mills, J. T. Brownlee, Pres., has acquired Knoxville Spinning Co.'s plant and plant of the Tennessee Mills operated by the spinning company.

Tenn., Memphis—All-Silk Hosiery Mills, capital \$10,000, incorporated by B. J. Tobey, Ben Weisberger and others.

Tenn., Pikeville—E. A. Lee, Cash, of Citizens Bank & Trust Co., interested in establishment of hosiery mill.

Va., Galax—Galax Knitting Co., High Point, N. C., C. C. Robbins, Mgr., will erect plant with daily capacity of 500 doz. prs. hosiery; 60x150 ft.; brick; mill construction; cost \$25,000; will install electric power plant; 50 knitting machines; cost of machinery \$30,000; Scott & Williams, 366 Broadway, New York, machinery contractors; company is own architect. (Lately noted.)

### Water Works

Ark., Russellville—City Council has ordered extension of water main in different sections of city.

Fla., Miami Beach Sta., Miami—Details under Road and Street Construction.

Fla., Miami—City Commn. acquired power plant at Hialeah and seven acres of land surrounding it, will probably erect treating basin; F. H. Wharton, City Mgr.

Fla., Miami—Ernest Cotton, Director of Public Utilities, is installing 12-in. pump in connection with proving of water supply; plans and specifications are not ready for pumps for water supply. (Lately noted)

Md., Preston—Town Council has under consideration installation of water system with 4-in. pipe throughout town.

Mo., Ava—City let contract to Sewell Well Co., of St. Louis, Mo. and Pittsburgh-Des Moines Steel Co. of Des Moines, Ia., to construct 75,000 gal. steel water tank on an 80-ft. tower and for deep well and complete pumping station. (Lately noted receiving bids.)

Mo., Mexico—Missouri Utilities Co. will soon let contract for sinking of deep well to augment water supply; plans also being made for storage reservoir.

N. C., Jefferson—City, H. C. Tucker, Mayor, will issue \$25,000 bonds for construction of water and sewer system.

N. C., Greensboro—City Council let the following contracts in connection with water improvements: to Lynchburg Foundry Co., Lynchburg, Va. for 2000 tons of cast iron water main, of 6, 8, and 12-in. diam. to be installed in various sections, principally in recently annexed territory; to Mueller Co., Decatur, Ill., for supplying approximately \$7,000 worth of brass pipe fittings; city also appointed representatives of Pitometer Co., New York, to make water survey of city with view to conserving water supply; other contracts not let. (Lately noted.)

N. C., Thomasville—City is having survey made by E. C. Glenn of Raleigh, N. C., for securing surface supply of water.

N. C., Vass—City will install water works system; is having surveys made by J. B. McCrary Co., Atlanta, Ga.

Okla., Apperson—City will vote on Feb. 15 on \$130,000 bonds for water works and sewer system. Address The Mayor.

Okla., Newkirk—City Commission will extend water system; may probably vote on \$100,000 bond issue.

S. C., Easley—City will probably vote on \$50,000 bond issue for water and sewerage extension; Horwood Beebe, Civil Engr., Spartanburg, S. C., is making survey.

S. C., Greenville—City Water Commsn. let contract to Davis Construction Co., Atlanta, Ga. to lay 24-in. water main from near Paris Mountain to the city; cost exclusive of materials, \$61,680; to United States Cast Iron Pipe & Foundry Co., Birmingham, Ala., for furnishing 24-in. piping. (Lately noted.)

S. C., Spartanburg—Board of Water Commsr. will construct force main 1-1/3 miles long and costing about \$50,000; P. H. Norcross, Conslt. Engr., Atlanta, Ga.; R. B. Sims, Water Supt. (Lately noted.)

Tenn., Lewisburg—City will construct filtration plant; \$150,000 available. Address The Mayor.

Tex., Austin—Details under Land Developments.

Tex., Brenham—City voted \$25,000 bonds for water works improvements. Address The Mayor. (Lately noted.)

Tex., Mart—City engaged Koch & Fowler, Engrs. and Archts., Dallas, Tex., as engineers for \$150,000 water works system; will call for bids in 3 weeks.

Tex., Ranger—City has engaged Elrod Engineering Co., of Dallas, Tex., to prepare plans for improvements to water works system; R. H. Hodges, Mayor. (Lately noted voting \$150,000 bonds.)

Tex., Wolfe City—City Council let contract to T. A. Bradshaw of Tyler., to construct reservoir and dam as next unit of construction in city's \$50,000 water works system.

Va., Chatham—City let contract at \$49,600 to Braum Bosworth Co., Toledo, Ohio, to construct water works system on Cherry-stone Creek.

Va., Roanoke — Roanoke Water Works, Charles E. Moore, Gen. Mgr. receives bids until Feb. 8 to furnish materials and erect brick or stucco-frame pump house and concrete pump foundation at Crystal Springs pumping station; building will be 21x11x10 ft.; plans etc. at office of company, 20 Salem Ave., South East, Roanoke, Va.

### Woodworking Plants

Ala., Luverne—Brewton Veneer Co., Inc., George Miller, Pres. will rebuild plant, construction by owners; estimated cost \$15,000; daily output of plant 16,000 BM ft. veneer. (Lately noted burned at loss of \$50,000.)

Ky., Henderson—Kentucky Box & Crate Co., incorporated by M. L. Katterjohn, T. B. Stevenson and others; will erect 3 story building, to manufacture shipping boxes, woodenware etc.

Mo., Kansas City—Rust Sash & Door Co., capital \$325,000, incorporated by J. B. Rust, Rudolph Jackson and others.

Tenn., Nashville—Southern Furniture Co., 521 Jefferson St., capital \$25,000, incorporated by C. L. Bruce, G. J. Henderson and others.

### FIRE DAMAGE

Ala., Anniston—Palace Market owned by Frank Gamble on East Tenth St.

Ala., Enterprise—Court House; loss \$25,000 to \$30,000; Address Judge J. A. Carnley, Elba, Ala.

Ala., Huntsville—F. W. Webster Lumber Co.'s planing mill; loss not estimated.

Ala., Mobile—The Edgewater, a resort on Mobile Bay, owned by C. C. Connors; loss \$15,000.

Ala., Montgomery—Mose Scheuer's residence, 212 S. Lawrence St.; loss \$20,000 including contents.

Ala., Townley—Nix Grocery store; theater and restaurant owned by Mr. Thornton of Carbon Hill, Ala.

Ark., Blytheville—Style Right Shop, owned by S. M. Levi; Freeman Sample store; Blytheville Five & Ten Cent Store; Freeman's Five & Ten Cent Store; total loss \$125,000.

Ark., Conway—Hotel De Hines, loss \$13,000.

D. C., Washington—Norfolk & Washington Steamship Co.'s wharf; loss not estimated.

Fla., Clearwater—Residence of Stevens B. Ayres at Sunset Point; loss \$20,000.

Fla., Tallahassee—Gibbs Hall of Florida A. & M. College; loss \$20,000.

Fla., Watertown—East Coast Lumber Co.'s saw mill, loss not estimated; owned by R. H. and A. G. Paul, Watertown.

Ga., Atlanta—Oakhurst Presbyterian Church at East Lake Drive and Second Ave.; Rev. J. M. Woodson, Pastor.

Ga., Greenville—Albert Hill's residence.

Ga., Macon—Federal Bakery on Second St., Cash and Carry grocery store, Taylor Furniture Co.'s store and other buildings; loss \$200,000.

Ky., Bluefield—Ulvah Coal Co.'s commissary.

Ky., Franklin—Keystone Drug Store; Keystone Hotel, operated by W. R. Shelton and W. C. Wheelless; building owned by Mrs. E. J. Hobdy and Mrs. H. H. Knapp; offices of Moore & Moore, Dr. B. W. Neely, Dr. J. W. Hays, and LaRue, Angela & Vance; Colly Bros'. store; H. Fainberg Dry Goods Store; J. C. McLain's office; Jasper's Grocery; E. R. Ray's store; H. G. Guthrie's restaurant; Postal Telegraph Co.'s office; lines of Kentucky Utilities Co.; loss \$150,000.

Ky., Louisville—Kentucky Waste Paper Co.'s building at 915 N. 36th St.; loss \$30,000.

Ky., Stone—General store and offices of Fordson Coal Co.

Ky., Trenton—Flour mill owned by J. W. Chestnut and W. G. Orr of Hopkinsville; loss \$50,000.

Ky., Wingo—J. T. Crawford's store; loss \$16,000.

La., Crowley—Gulf Coast Branch R. R. station at Mowata, Acadia Parish; 2 rice warehouses; and other smaller buildings; loss \$18,000.

La., Lake Charles—Portion of the Lake Charles Implement Co.'s building, at Ryan and Mill St. loss not estimated.

Md., Havre de Grace—Methodist Episcopal Church at Webster, 4 miles from Havre de Grace; Rev. Milton M. Sutcliffe, Pastor.

Miss., Meridian—First Baptist Church parsonage, Dr. L. R. Christie, Pastor; loss \$20,000.

Miss., Port Gibson—Main building of Chamberlain-Hunt Academy; loss \$100,000.

Miss., Sharkey—Tom G. James' plantation residence; loss \$30,000.

Mo., Bowling Green—Mose Staley's residence; loss \$15,000.

Mo., Bloomfield—Building of Consolidated School District; Address Gallaway County Board of Education, Fulton, Mo.

Mo., Kirksville—Baldwin Hall at Kirksville State Teachers' College; loss \$250,000; address Jno. R. Kirk, Pres.

Mo., Lebanon—Station of St. Louis & San



Francisco R. R.; loss \$20,000; Address F. G. Jonah, Ch. Engr., St. Louis, Mo.

Mo., St. Louis—American Thermometer Co.'s plant, 3146 Lucas Ave.; loss \$15,000.

Mo., St. Louis—Warehouse under management of Mercantile Trust Co.; loss \$25,000.

N. C., Charlotte—Ivey's Department store, loss \$25,000; warehouse of D. A. Hargett; Inc., loss \$25,000.

N. C., Kiltrell—Offices, warehouses and hot houses of Continental Plant Co.; loss \$50,000.

N. C., Magnolia—J. H. Groves & Son's store and 4 other buildings; loss \$20,000.

N. C., Old Fort—High School building; loss \$40,000; Address McDowell County Board of Education, Marion, N. C.

N. C., Winston-Salem—Twiford Shoe Co., L. D. Twiford, Mgr., loss \$20,000; Scotch Woolen Mills store; Cash Barber Shop.

Okla., Hartshorne—Hartshorne Motor Co.'s garage building; loss \$40,000.

S. C., Cherokee—Carlisle graded school on Paris Bridge Road, near Cherokee Springs; Address Spartanburg County Board of Education, J. B. Lancaster, Supt.

S. C., Chester—John R. Page's store at Wilkesburg.

S. C., Greenwood—C. M. Polatty's store.

S. C., Greenwood—C. M. Polatty's store.

S. C., Laurens—Laurens-Clinton Country Club; loss \$15,000.

Tenn., Chattanooga—Odd Fellows Hall, Frazier Ave. near Walnut St. bridge, loss \$8000; residences of Thos. Walker, John Burnette and Mrs. Lizzie Long on Woodland Ave., loss about \$7000 each; old Voigt Drug Co. Bldg. occupied by United Cigar Store, Fred Saul's Men's Clothing Store and Dr. W. L. Thompson's offices loss \$10,000.

Tenn., Greenville—A. H. Hutschel School building.

Tenn., Nashville—H. G. Hill Co., Fourth Ave. north and Deaderick St.; S. H. Kress & Co., 317 Fourth Ave.; total loss \$40,000.

Tenn., Nashville—Hermitage Shirt and Collar Co.'s plant at 314 First Ave., N., loss \$15,000; H. G. Hill Grocery Co.'s building, 3rd Ave. and Deaderick St., loss \$50,000.

Tenn., Nashville—Residence of Hugh Smith, Jr., on Kenner Ave. near Harding Road; loss \$16,000.

Tenn., Normal (Ind. Br. Memphis)—Prescott Flats; loss between \$25,000 and \$30,000; post office, barber shop and pharmacy owned by Percy Ashford; building owned by Normal School, Dr. Kincannon, Pres.

Tex., Corsicana—(Tuckertown, near Corsicana)—Liberty Rooming House, conducted by Henry Fields; City Drug Store; Liberty Theater; Norset Bros.' Army Goods Store; S. and S. Store; Copeland's Drug Store; Woman's Barber Shop; Oscar Bryant's chili parlor; Busy Bee Cafe; Mack's Barber Shop; Globe Dry Goods Store; Dad's Cot House; Frenchie's Lunch Counter; a chili parlor and lunch stand; Dutch's Barber Shop; Shortie's Tailor Shop; Tucker Drug Co.; Frank and Joe's Restaurant; a fruit stand; Dad Jordan's Grocery; Boston Dry Goods store; number of hamburger stands and smaller commercial establishments. Loss \$30,000.

Tex., Gainesville—Keel & Son's grain elevator and barns; loss \$40,000.

Tex., Houston—Houston Bag & Bagging Co.'s plant at Baker and Pine Sts.; loss \$50,000.

Tex., Fort Worth—Building at Fifth and Houston Sts., owned by Mrs. Linnie J. Burgess and occupied by Vogue and the Gans Co., owned by Joe Gans; Fifth Ave. Shop, Chas. Swartzburg, Prop.; total loss \$300,000.

Tex., Houston—Boston Shoe Store, H. Deutser, Prop., owned by Mrs. Virginia K. Dupree, 1315 Main St.; loss \$35,000.

Tex., Mount Calm—Oates Building occupied by J. R. Jones, men's furnishings; J. H. Reynolds, general merchandise; T. D. Moore, barber shop; Jim Miller, tailor shop; Dr. S. J. Creswell's office and A. T. Williamson's residence; loss \$50,000.

Tex., Taylor—M. Kroll dry goods store, Bland Hoke picture show, R. Wehby Dry Goods Co.; loss \$20,000.

Tex., Waxahatchie—W. D. Woodroof & Co. Dry Goods store, loss \$10,000; Jolesch-Thomas Shoe Co., loss \$14,000.

Va., Covington—O'Gara Building, owned by P. G. and Hugh O'Gara, and occupied by Gardner's store, Corner Pharmacy, Peoples

Hardware store Western Union, and City News and Music Store; total loss \$65,000.

Va., Covington—Residence of Dr. P. P. Parrish on Potts Creek Road; loss \$10,000.

Va., Graham—Bottling plant of Clinch Valley Product and Manufacturing Corp.; loss not estimated.

Va., Farmville—Lee Hall Tobacco Factory; loss not estimated.

Va., Newton—Manly Broadbuss's barns.

W. Va., Charleston—Lucinti Fruit store and Lucinti Hotel, at 615 Capitol St., Dr. A. Frank, part owner; Leo France's store; total loss \$10,000.

W. Va., Lumberport—Eagle District high school building; loss \$50,000; Address Ray Rogers, Board of Education of Eagle District.

W. Va., Wheeling—Manhattan Hotel and Washington Restaurant; loss \$20,000.

## BUILDING NEWS

### BUILDINGS PROPOSED

#### Association and Fraternal

Fla., Orlando—Members of Olef Sholom Synagogue organized Young Men's Hebrew Assn. with Herman Lefkowitz as president and plan to erect building.

La., Opelousas—Benevolent Protective Order of Elks will open bids soon for alterations and additions to building; 2 stories, brick, wood and tile floors, tile roof; Herman J. Duncan, Archt., 120 Murray St., Alexandria. (Lately noted.)

Ky., Fulton—Ancient Free and Accepted Masons purchased site on Walnut St. and will erect \$50,000 two-story building with offices and auditorium.

Mo., University (Station St. Louis)—University Lodge 649, A. F. & A. M. plans to erect building at Delmar Blvd. and Trinity Ave.; 52 x 100 ft.; boiler room, swimming pool, locker rooms, toilets, shower stalls, etc. in basement; banquet hall, lounge, library, kitchen, pantries, and ladies dressing rooms and toilets on first floor; lodge hall, lounge, and ante-rooms on second floor; first and second floors fireproof, steel girders and metal lumber supporting reinforced concrete floors; roof construction of steel trusses carrying wood joists and mill sheeting covered with copper; J. W. Leigh, Archt., 2090 Railway Exchange, St. Louis, is taking bids on preliminary plans. (Previously noted.)

Tenn., Nashville—Benevolent Protective Order of Odd Fellows, C. M. Bishop, Grand Master, Memphis, Tenn., plans to erect 12-story building on 7th Ave., North; cost \$500,000, reinforced concrete construction, about 80 x 150 ft.; store on first floor, auditorium to seat 2000 and offices for the Order on next 2 floors, upper 7 floors for offices to lease.

Tenn., Paris—Ancient Free and Accepted Masons, J. K. Currier, Sr., Chmn., Arrangements Comm., are contemplating erection of temple.

Tex., Amarillo—Masonic Temple Assn. will receive bids until Feb. 25 at office Herbert M. Greene Co., Archts.-Structural Engrs., North Texas Bldg., Dallas, Tex., for erection and completion of 3-story and basement fireproof lodge building; separate bids for heating and plumbing; cost \$175,000 to \$200,000.

Tex., Galveston—Salvation Army will soon let contract to erect Spanish type hall, 19th St. and Avenue E; 1 story, about 50x80 ft., hollow tile construction; plans drawn.

Tex., Llano—American Legion of Llano does not contemplate erecting building as lately reported.

Texas., San Antonio—Young Men's Christian Assn., R. L. Hillyer, Chmn., Bldg. Comm., has low bid at \$259,029 from Lon T. Wright, San Antonio, for erection of 5-story fireproof building, Martin and Navarro Sts.; other low bids as follows: Electrical work, Martin Wright, \$10,564; plumbing, Jud & Ormand, \$24,617 and heating, \$19,000; Adams & Adams, Archts., Gibbs Bldg., all San Antonio; building to be brick, reinforced concrete frame, stone trim, concrete basement and swimming pool; interior plans by Sherman W. Dean, Archts., Bldg. Bureau, International Comm., Y. M. C. A., 347 Madison Ave., New York City. (Lately noted.)

Tex., Sherman—Travis Lodge No. 117, A. F. & A. M., will have plans completed about Feb. 10 for Masonic Temple; 50 x 95 ft., 3 stories, concrete, brick, steel and wood, oak floors, built up 5-ply roof, concrete foundation, metal lath, ventilators, steel sash and trim, wire glass, stone; Jno. Tulloch and Clyde & Rolfe, Archts., Sherman. (Lately noted.)

Tex., Waco—Central Labor Council, Luther Wade, Pres., plans to erect \$40,000 Labor Temple; 2 stories, auditorium, offices, etc.; sit not selected, plans drawn.

Va., Richmond—Acca Temple, A. A. O. N. M. S., Clinton L. Williams, Chmn., Bldg. Comm., will probably open bids Feb. 15 for erection of \$1,000,000 Shrine Mosque, Laurel and Main Sts.; 201x308 ft., auditorium to seat 4100, stage, banquet hall to accommodate 2000, swimming pool, ballroom, 102 bedrooms, \$40,000 pipe organ; Marcellus T. Wright and Chas. M. Robinson, Archts., Richmond. (Lately noted.)

#### Bank and Office

Ark., Hot Springs—James Rector, St. Louis, Mo., will erect office and business building on Central Ave. opposite Arlington Hotel; four or five stories, 180 x 60 ft. concrete and steel, matt-face brick; elevators; offices arranged especially for physicians.

Ala., Birmingham—National Cast Iron Pipe Co., E. E. Linthicum, Pres., will erect office building; advise unable to give details as plans are not yet made.

Ky., Whitesburg—Hays Lumber Co. will erect office building; contract in 2 weeks.

N. C., Gastonia—Citizens National Bank, A. G. Myers, Pres., selected White, Streeter

& Chamberlain, Gastonia, as architects for \$150,000 Corinthian type bank building on site of present structure; 3 stories and basement, Indiana limestone and granite front, columns, bronze doors, Numidian marble and bronze screen work. (Lately noted.)

N. C., New Bern—Citizens Bank & Trust Co., 65 Pollock St., increased capital stock from \$25,000 to \$50,000 and will remodel building; cost \$15,000.

Okla., Okmulgee—Ridenour-Baker Wholesale Grocery Co. will erect 2-story office building. (See Contracts Awarded—Warehouses.)

Okla., Pawhuska—First National Bank has begun construction of \$265,000 building; five stories; Bedford stone exterior; banking room finished in marble and brass.

Tenn., Knoxville—N. B. Kuhlman will remodel brick office building, 310 Commerce Ave.; cost \$20,000.

Tex., Austin—Texas Bank & Trust Co., M. C. Parrish, Vice-Pres., will remodel several rooms in Driskill Hotel for banking rooms; install additional vaults and fixtures.

Tex., Houston—Houston Land & Trust Co., A. R. Cline, Sec. Treas., will open bids about April 1 for erection of 3-story fireproof addition to present building; Sanguinet, Staats, Hedrick & Gottlieb, Houston, are preparing plans. Address Archts. (Previously noted.)

Tex., Lufkin—Citizens Guaranty Bank, G. R. Thompson, Vice-Pres., will erect \$40,500 bank building, N. 1st and Dozier Sts.; 60x84-ft., 2-stories.

Tex., Robstown—Guaranty State Bank will expend \$35,000 to improve Dainwood Bldg.

W. Va., Huntington—Union Bank & Trust Co., Robert L. Archer, Pres., will open bids Feb. 25 at office Meador & Handloser, Archts., Huntington, for erection of 14-story bank and office building, 4th Ave. and 9th St.; cost about \$500,000, fireproof, structural steel; site 60x90-ft. (Lately noted.)

W. Va., Williamstown—Bank of Commerce has plans completed by Warne, Tucker & Pattison, Charleston, W. Va., for remodeling former Randolph Bldg., raising from 2 to 5 stories and erection of 5-story addition.

### Churches

Ala., Athens—First Methodist Church, Dr. R. B. Glasgow, interested, will probably ask for bids within 10 days for construction of building; cost about \$75,000. (Lately noted.)

Ala., Bay Minette—Methodist Church, Rev. T. J. Gross, Pastor, contemplates erection of building.

Ark., Helena—Presbyterian Church, H. E. McRae, Chmn. Bldg. Comm., will probably let contract in about one week for erection of 3-story brick building; stone columns and trim, glazed tile roof, oak woodwork, beech floors, vapor system of steam heat, typhoon fan system, auditorium to seat 600, Sunday school to accommodate about same number; cost \$70,000; Spencer & Phillips, Inc., Archts., Memphis, Tenn. (Previously noted.)

Fla., Bartow—Baptist Church, Rev. J. E. Martin, Pastor, plans to erect \$100,000 building to contain Sunday school rooms, dining rooms, kitchen and other facilities; J. A. Fort, G. O. Denham, W. W. Willis and others, Bldg. Comm.

Fla., Pensacola—First Baptist Church of Pensacola will erect mission church at Muldon Station, Fisherville.

La., New Orleans—Church of Our Lady of the Holy Rosary is receiving bids on erection of 76x146x106-ft. building, Esplanade Ave. and Bayou St. John; steel and concrete faced with pressed brick, limestone trim, copper dome, cork floors, built-up roof, steel sash, hot

air heat; cost about \$100,000; Rathbone De-Buys, Archt.; Juan G. Landry, Maurice E. Reilly and Albert L. Theard, Asso. Archts. (Previously noted.)

La., Shreveport—Agudath Achim Congregation, Chas. Blumenthal, Rabbi, will erect \$100,000 synagogue, Fannin and McNeil Sts.

Md., Havre de Grace—Methodist Episcopal Church, at Webster, 4 miles from Havre de Grace, Rev. Milton M. Sutcliffe, Pastor, will rebuild structure noted burned.

Md., Baltimore—Second Presbyterian Church, Rev. Robt. G. Leetch, Pastor, is having preliminary plans prepared by Edw. L. Palmer, 513 N. Charles St., Baltimore, for erection of 3 buildings; cost about \$250,000; Church Community House to be erected first. (Lately noted.)

Miss., Charleston—First Presbyterian Church selected Jas. E. Greene, Birmingham, Ala., to prepare plans for erection of building to replace burned structure. (Lately noted.)

Miss., Marks—Baptist Church is having plans prepared by Jas. E. Greene, Archt., Birmingham, Ala., for erection of building. (Architect lately incorrectly noted.)

S. C., Inman—First Baptist Church, J. B. Jumper, Chmn., Bldg. Comm., will probably let contract in Feb. for erection of 2-story building; ordinary construction, 70x90 ft.; hollow tile, plaster board, metal doors, ventilators, rolling partitions; cost about \$50,000; Casey & Fant, Archts., Anderson, S. C.; S. S. Storer, Conslt. Engr., Atlanta, Ga. Address Archts. (Lately noted.)

S. C., Ware Shoals—Presbyterian Church, W. C. Cobb, Chmn., Bldg. Comm., will erect \$10,000 brick building in summer; auditorium to accommodate 150; Sunday school rooms.

Tenn., Columbia—First Christian Church is considering the erection of building on West Seventh St.; main auditorium to accommodate 1000; Sunday school rooms, etc.; Rev. L. S. White, Pastor.

Tenn., Dyersburg—First Baptist Church will erect building at Masonic and Church Sts. Address the Pastor.

Tenn., Johnson City—Central Baptist Church, Dr. Lewis M. Roger, Pastor, selected Daughterty & Gardner, Nashville, Tenn., as architects for Sunday school addition and remodeling work to present building; cost \$60,000; addition to accommodate 1200 to 1500. (Lately noted.)

Tenn., Paris—Methodist Episcopal Church, J. M. Freeman, Chmn., Bldg. Comm., will erect \$100,000 to 140,000 building.

Tex., Alpine—Methodist Church will erect church and parsonage; cost \$40,000. Address The Pastor.

Tex., College Station—Rev. Harris Master-son of Autry House, Rice Inst., Houston, Tex., has donated ½-acre site adjoining campus at Texas Agricultural and Mechanical College for erection of \$60,000 Episcopal Church; committee appointed.

Tex., Galveston—Central Christian Church, Rev. A. E. Ewell, Pastor, plans to erect \$75,000 Sunday school building to accommodate 1000; A. F. Wickes, St. Louis, consulting archt.

Tex., Houston—Adath Yeshurun Congregation is receiving bids through Joe Finger, Archt., Houston, for 2-story Sunday school building at 917 Jackson St.

Tex., Livingston—Central Baptist Church, Rev. Ernest Baldwin, Pastor, will erect \$35,000 building.

Tex., Plano—Methodist Episcopal Church will expend \$25,000 to remodel building; change from frame to brick veneer, remodel

interior, install heating plant. Address The Pastor.

Va., Danville—Sledd Memorial Church, Rev. John W. Rustin, Pastor, has received plans from Dr. J. A. Baylor, Louisville, Ky., Archt. Bldg. Bureau, Methodist Episcopal Church South, for erection of \$25,000 building. (Previously noted.)

Va., Lynchburg—Heard & Chesterman are preparing plans for \$18,000 synagogue; 30x60 ft.; two stories; first floor for class rooms, second for auditorium; will remodel front of present building.

Va., Norfolk—Larchmont Baptist Church is having plans prepared by K. L. Hullsick, Norfolk, for erection of building; ready for bids on or about March 1. (Noted Jan. 31.)

Va., Norfolk—Sacred Heart Catholic Church, Rev. Thos. E. Waters, Pastor, has no immediate plans for erection of shrine at Princess Anne Rd. and Blow St., and lately reported.

W. Va., Huntington—Guyandotte M. E. Church, South, Rev. D. C. Lear, Pastor, plans to remodel and enlarge building; will probably brick veneer exterior.

W. Va., Huntington—Second Presbyterian Church, Fred C. Prichard, member of Bldg. Comm., accepted plans by Levi J. Dean, Huntington, for \$140,000 brick or stone building, Jefferson Ave. and 9th St., West; 85 x 90 ft., slate or tile roof, oak floors; auditorium to seat 1000, gymnasium, assembly hall and kitchens, swimming pool, showers, etc.; construction will probably start in spring. (Previously noted.)

### City and County

Fla., Lakeland—City Hall, etc.—City Commissioners have passed ordinances providing for election March 4 on \$850,000 bonds including \$300,000 for hospital and equipment, \$200,000 for city hall and site, \$75,000 for library, \$55,000 for jail, central fire station and stockade, \$40,000 for fire stations in northern and southern sections.

Fla., Miami Beach—Fire Station, etc.—City will vote Feb. 19 (extended date) on \$307,000 bonds, including \$40,000 for fire alarm equipment and erection and equipment of fire station near 23rd St. Address The Mayor. (Lately noted.)

Fla., Orlando—Fire Station; City Hall and Auditorium—City, E. G. Duckworth, Mayor, will vote Feb. 12 on \$20,000 bonds to erect fire station on west side Gertrude Ave.; will also vote on same date on proposal to buy property bounded by S. Orange Ave., South, Boone and Jackson Sts., as site for combination city hall and auditorium to seat 3500, about 120 x 132 ft. in size, plans drawn.

La., Opelousas—Courthouse—St. Landry Parish will receive bids until Feb. 4 to erect annex to courthouse and install steam heating system; brick and concrete, 2 stories, wood and tile floors, slate and built up roof; Herman J. Duncan, Archt., 120 Murray St., Alexandria. (Lately noted.)

Md., Baltimore—Park Building—Park Board, J. Cookman Boyd, Pres., has accepted plans by Josias Pennington & Pleasants Pennington, Professional Bldg., Baltimore, for erection of bath and field house at Druid Hill Park; locker and shower accommodations for 500 men and 200 women on second floor of present pumping station which will be remodeled for field house; 2-story brick and stucco addition with lockers to accommodate 3500; boiler rooms, laundry and drying rooms in basement.

Miss., Natchez—City Hall—City, L. A. Whittington, Mayor, will receive bids until Feb. 26 to erect \$60,000 city hall; plans and



specifications from H. N. Austin, Archt., Jackson, Miss. (Previously noted.)

Mo., Joplin—Memorial Hall—Memorial Hall Advisory Board, K. W. Story, Chmn., Architect Comm., selected A. C. Michaelis, 324 Miners Bank Bldg., Joplin, to prepare plans for \$250,000 memorial hall with seating capacity of 4100; W. D. Myers, Chmn., Advisory Comm., will elect building committee. (Lately noted.)

N. C., Durham—Municipal Building—City, R. W. Rigsby, City Mgr., will have plans ready Feb. 11 and let contract March 1 for construction of fireproof municipal auditorium and theater to seat 2500; 3 stories, 70 x 160 ft., wood, composition, tile and concrete floors, concrete foundation, Barrett roof, hollow and interior tile, metal doors, vaults lights, ventilators, ornamental terra cotta, wire glass, vapor system of heat; cost about \$250,000; Milburn, Heister & Co., Archts., Union Savings Bank Bldg., Washington, D. C., and Durham, N. C. (Previously noted.)

N. C., Louisville—Courthouse — Franklin County, Henry A. Grady, Judge of County Court, plans to remodel jail and courthouse; install concrete floors and heating plant in former, install new stairway, extend rear of building and install heating plant in latter.

Okla., Tulsa—Jail—City has low bid at \$86,898 from J. M. Wilson, Tulsa, for erection of cut stone, brick and concrete jail building, 4th and Elgin Sts.; F. A. Duggan, Archt., 202 Castle Bldg., Tulsa. (Details noted Dec. 27.)

S. C. Chester—Memorial Building—Chamber of Commerce, E. R. Lucas, President, is promoting plans to erect community memorial building; cost about \$12,000.

S. C., Columbia—Market—City is having plans and specifications prepared by J. Trez Turner, City Engr., for stall market to be erected in 1300 block Assembly St.; main building to provide 31 stalls and manager's office; concrete floors; screening.

Tenn., Chattanooga—Municipal Hall and Jail—East Ridge Township, Sam Hudlow, Mayor, plans to erect municipal and community center building and jail.

Tenn., Memphis—Jail—Shelby County Jail Comsn., J. A. Riechman, Chmn., will open bids Feb. 15 to erect \$500,000 jail and criminal courts building; 220 x 55 ft., 5 stories, 4 to be completed at first; steel and reinforced concrete, faced with cut stone, tile roof, heat from present plant in courthouse; Jones & Furbringer, Archts., Memphis.

Tex., Athens—Jail—Henderson County Commrs. are having plans prepared by H. A. Overbeck, Dallas, for \$80,000 reinforced concrete, brick and steel jail building.

Tex., Seymour—City Hall and Auditorium—City, J. A. Britain, Mayor, is having plans prepared by Voecker & Dixon, 500-01 Morgan Bldg., Wichita Falls, Tex., for \$40,000 city hall and auditorium.

Va., Richmond—Stadium—Stadium Commission, Lawrence T. Price, M. D., Chmn., Suite 505, Professional Bldg., 5th and Franklin Sts., has recommended purchase of site north of John Marshall High School and appropriation of \$100,000 for erection of stadium to seat 25,000.

W. Va., Huntington—Jail—Cabell County, R. S. Douthat, Clk. of County Court, will open bids Feb. 6 for remodeling, plumbing and electric wiring of county jail; Richard M. Bates, Jr., Archt., Huntington.

W. Va., Petersburg—Jail and Residence—Commissioners of Grant County, M. S. Judy, Clerk, County Court, will receive bids until Feb. 26 to erect (1) building for jail and

warden's residence, (2) system of heating and ventilating, (3) system of plumbing, (4) electric wiring, (5) furnishing 8 cells with enclosures; building to be about 77.1½ x 38.9 ft., 2 stories, brick and hollow tile, concrete foundations, concrete and pine floors, slate roof; plans and specifications from Hersh & Shollar, Archts., Altoona, Pa. (Lately noted.)

### Dwellings

Fla., Fort Pierce—Jack Foster plans to erect 12 or more Spanish type frame-stucco dwellings in addition to 1 about completed.

Fla., Miami—B. C. Brown has permit to erect \$10,000 residence and garage on N. E. Third Ave.

Fla., Miami—Harry Sanders, Sales Mgr., Bay Vista Park sub-division, announced plans for erection of 8 Spanish type dwellings; concrete block and stucco, 5 and 6 rooms, cost \$3500 to \$5000 each.

Ga., Augusta—Scroggs & Ewing, Augusta, are preparing plans for model home to be erected in 2300 block McDowell St.; Augusta Chronicle interested.

Ga., Macon—Dr. Geo. Y. Massenburg will probably rebuild residence lately noted burned but has not decided upon location or type of construction.

Ky., Blackey—H. B. Branson will erect 4 dwellings; contract at once.

Ky., Blackey—J. P. Whittaker will erect 6 dwellings and business building; contract at once.

Ky., Hazard—J. G. Gault, Whitesburg, Ky., will erect six \$2000 dwellings; contract in 2 weeks.

La., New Orleans—N. J. Chesl, 312 Carondelet St., will erect bungalow, Napoleon Ave. and Tonti Sts.; cost about \$10,000.

Ky., Ulvah—Commercial Coal Co., will erect several miners' dwellings. (See Buildings Reported—Stores.)

Ky., Whitesburg—A. K. Franklin will erect 2 dwellings; contract at once.

Md., Baltimore—City Real Estate Co., 11 E. Fayette St., will erect 17 two-story brick dwellings, 713-45 Spring Hill Ave.; each about 19x30x25 ft.; total cost \$50,000.

Md., Baltimore—Electric Park Realty Co., Garrison and Nelson Aves., will erect 24 two-story brick dwellings in same vicinity; each 17x32x28 ft.; total cost \$80,000.

Md., Baltimore—Geo. W. Schoenals & Co., Munsey Bldg., will erect 36 two-story brick dwellings, 2401-35 and 2400-34 Calverton Heights Ave.; total cost \$180,000.

Md., Baltimore—Mary W. Hammer and others will erect 2-story frame cottage, west side Cross Country Blvd., south of North Ave., Mount Washington, Baltimore; 32x44x24 ft.; cost \$10,000.

Md., Baltimore—Marcy B. Phillips, 3909 Brookline Ave., has purchased lot at S. E. corner of Norwood and Thornton Aves., Forest Park, and plans to erect number of cottages and bungalows.

Md., Baltimore—Oscar E. Habicht, 7 Idaho Ave., will erect 4 two-story brick dwellings, S. E. side Belair Rd. northeast of Willax Ave.; 15x43x26 ft.; total cost \$12,000.

Md., Baltimore—Merton Realty Co. will erect 32 two-story brick dwellings on both sides Frankmore Ave. near Reisterstown Rd.

Md., Baltimore—Vernon F. Kelly, 405 Falls Rd., will erect \$13,000 residence, north side Somerset Rd., east of University Parkway; 2½ stories, hollow tile, 26x37x27 ft.

Miss., Itta Bena—Dr. A. J. Moore will rebuild burned residence.

Mo., Kansas City—J. J. Mahoney will

build \$10,000 building at 2710-18 East Fourteenth St.

N. C. Greensboro—A. K. Moore Realty Co. will erect two 5-room dwellings on N. Mendenhall St. and one 8-room dwelling on Woodlawn Ave.; total cost \$22,000.

S. C., Allendale—Mrs. Frank Hazel will receive bids until Feb. 4 to erect residence; frame and brick veneer, 2 stories, oak floors, Spanish red clay tile roof, tile porches, concrete and brick foundation, 2 baths, Delco lights; J. H. Sams, Archt., Columbia. (Lately noted.)

S. C., Lake City—B. G. McClam is receiving bids, to be opened by March 1, for erection of brick veneer residence; 2 stories and basement, tile roof, mountain white marble trim, steam heat; L. McD. Hicks, Archt., Florence, S. C.

S. C., Spartanburg—N. O. McDowell will build four residences including one on Rutledge St. in Converse Heights, and three on Pearl and Thomas Sts.; Total cost \$12,000.

Tenn., Knoxville—Curtis-Thacker Company 202 Mercantile Building, will erect several dwellings.

S. C., Orangeburg—W. P. Stroman will erect Colonial type residence; Lafaye & Lafaye, Archts., Columbia, S. C.; bids opened.

S. C., Tupacau—Lockwood, Greene & Co., Inc., 24 Federal St., Boston, Mass., will open bids this week at Charlotte N. C., office for erection of 40 operatives' dwellings in Tupacau village.

Tex., Caldwell—J. Earl Porter will erect \$10,000 residence; Paul G. Silber & Co., Archts., 331 Bedell Bldg., San Antonio, Tex.

Tex., Houston—L. W. Babbitt is erecting \$10,000 ten-room stucco duplex 912-14 Richmond St.

Tex., San Antonio—Federal Home Building Co., will erect two 5-room and three 4-room dwellings on Becker St.; total cost \$11,000.

Va., Bristol—W. E. Allgood will erect \$10,000 double residence, 922 Clay St.

Va., Bristol—W. E. McLaughlin will erect \$15,500 residence on Woodlawn Ave. near Hillsman St.

Va., Richmond—Dr. J. Allison Hodges, will build \$40,000 residence; Lee & Lee, Archts., Richmond.

Va., Richmond—D. R. Creacy will erect \$35,000 residence.

Va., Richmond—A. L. McClelland will erect residence in Hampton Gardens.

Va., Suffolk—Industrial Housing Corp., Jas. L. Bell, Sec. Treas., has sold \$60,000 of stock, bought 75 acres of land and laid out streets for proposed development for negroes; will build houses in units of 50 each and expects to build 100 houses this year; 1-story, 5 rooms, frame, cost about \$1000 each; K. L. Hullsick Co., Archts.-Engrs., 400 Flat Iron Bldg., Norfolk. Address Mr. Bell. (Previously noted.)

W. Va., Charleston—State Board of Control, James B. Lakin, President, will receive bids until Feb. 26 to erect Governor's residence; 75x75 ft. with porches; two stories; non-fireproof; brick and hollow tile; oak and tile floors, vapor steam system of heating; conduit system of lighting and telephone system; plumbing and gas fitting; Walter F. Martens, Archt., Charleston. (Lately noted.)

W. Va., Wheeling—Henry Michaels, 500 N. Main St., will erect \$10,000 residence at Beech Glen.

### Hospitals, Sanitariums, Etc.

Ark., Conway — Whittenburg & Deloney, Little Rock, Ark., will prepare plans for Faulkner County Hospital to be erected at

College and Western Aves., Dr. B. W. Torrenson, Chmn., Campaign Comm.; cost about \$30,000. (Previously noted.)

Fla., Lakeland—City Commissioners have passed ordinances providing for election March 4 on \$850,000 bonds including \$300,000 for hospital. (See City and County.)

Fla., Miami—City has low bid from George Jahn, Miami, at \$118,000 for new construction at city hospital which includes public ward building, laundry and power building, connecting corridors and underground water system; other low bids as follows: Mechanical equipment, Alexander Orr, Miami, \$19,500; laundry machinery, Troy Laundry Machinery Co., Ltd., LaSalle and 23rd St., Chicago, Ill., \$5650; elevator doors, Otis Elevator Co., New York City (Miami Office), \$1024; August Gelger, Archt., Miami.

Fla., Tampa—City plans to erect \$215,000 addition to Gordon Keller Hospital and additional ward or hospital for negroes, cost \$35,000. Address The Mayor.

Ky., Pikeville—United States Veterans Bureau, Frank T. Hines, Director, Arlington Bldg., Washington, D. C., is reported to have plans nearing completion for erection of 60-bed hospital and to ask for bids about Feb. 8; research laboratory. Previously noted.)

La., Baton Rouge—East Baton Rouge Tuberculosis League, Frank Kean, Pres., and others, are interested in erection of \$18,000 building as first unit of Greenwell Springs Tuberculosis Sanatorium.

La., New Orleans—Hospital Board of Southern Baptist Convention, Nashville, Tenn., Dr. F. S. Groner, Chmn., Bldg. Comm., Dallas, Tex., selected Favrot & Lavaudais, New Orleans, as architects for first unit of \$2,000,000 hospital to be erected on Napoleon Ave. near Claiborne St.; cost \$500,000. (Previously noted.)

N. C., Morganton—Building Committee, State Hospital, Dr. John McCampbell, Supt., will receive bids until Feb. 23 for (1) Power plant piping and auxiliaries together with distributing mains, etc., and remodeling of heating equipment; (2) two direct connected, alternating current, engine driven, electric generating units with switchboard, exciters and wiring between equipment and switchboard; (3) revision of outside wiring, new motors, transformers, etc.; (4) brick setting for four 300 H. P. Connelly bent tube boilers; drawings and specifications on file at offices Dr. McCampbell, Morganton and Wiley & Wilson, Conslt. Engrs. Lynchburg, Va., and may be obtained from the latter.

Tex., Wichita Falls—State Board of Control, S. B. Cowell, Chmn., Austin, Tex., is having plans revised by Voelcker & Dixon, 600-01 Morgan Bldg., Wichita Falls, for erection of 2-story fireproof dormitory at Northwest Texas Hospital for Insane; bids will be received by Mr. Cowell about March 1. (Lately noted.)

### Hotels and Apartments

Ala., Shiloh—De Long Rice is promoting erection of 22-room hotel at Shiloh Military Park, on Tennessee River, to cost \$50,000; will be named "Pine Rest."

Ark., Jonesboro—E. B. and Crawford Noble managers of Hotel Noble, contemplate erection of 2 additional stories and installation of elevators; work to start in spring; cost \$75,000; 75 rooms.

Ark., Jonesboro—Mr. and Mrs. Will Link have recently purchased Parsons Hotel and contemplate extensive improvements; will include addition of another story, with 50 rooms, 75 will be equipped with baths, exterior will be stuccoed, interior overhauled

and re-furnished, steam heat and running water will be installed; to be known as Link Hotel.

D. C., Washington—Harry Wardman, president of Wardman Park Hotel, has purchased Hotel Gordon at Sixteenth and I Sts. and announced that he will raze present structure and erect modern hotel on site.

D. C., Washington—2100 Massachusetts Avenue, Inc., composed of New York business men, contemplate erecting apartment building at S. W. cor. Twenty-first St. and Massachusetts Ave., N. W., to be valued at \$1,100,000; fireproof, 8 stories and basement, brick and limestone exterior, 144 apartments divided into suites of 2 and 3 rooms and bath; 107.33 x 144.25 ft.; F. H. Smith Co., Washington, is financing.

D. C., Washington—Wenger Brothers contemplate erecting \$300,000 apartment building at 2230 Kalorama Road N. W.

Fla., Jacksonville—Dr. W. J. McElroy awarded contract to J. C. Pritchard, Jacksonville, to erect 3-story tile and brick apartment building, west side Copeland Ave. between Park and Herschel Sts., cost \$57,000.

Fla., Jacksonville—O. Von Becklenberg will erect \$18,000 two-story tile veneer flats, south side Oak St. near Osceola St.

Fla., Miami Beach—Mrs. M. M. McCall, Michigan ave. at Sixth St. is having plans prepared by W. F. Brown, 718 Fifth St., Miami Beach, for erection of 158-room 10-story hotel; 50x150 ft., fireproof flooring, concrete foundation, fireproof slate roof, hollow tile. (Lately noted.)

Fla., Miami—R. F. Howell will erect apartment house on S. W. Sixth St. to contain 18 apartments and cost \$45,000; 3-stories, reinforced concrete.

Fla., Miami—Kiehnel & Elliott, Miami, are preparing plans for erection of a 4-story apartment house in Douglass Section of Coral Gables; cost \$225,000; Spanish design, colored stucco rock, Spanish tile, contain 53 suites; 2 staircases and 1 elevator, lounge rooms, offices, and material and trunk rooms, 172 ft. frontage on Ponce de Leon Blvd., 94 ft. on Phenetia Ave., 182 ft. on Galeano Ave.; entrance on boulevard will be through series of arches opening onto patio 74 ft. wide, with side lines 38 and 44 ft. leading back to main doorway; 16 apartments on each of first 3 floors, 5 apartments on 4th floor; J. W. Ricketts, Gen. Mgr. (Lately noted.)

Fla., Miami—M. H. Walfert will erect 3 apartment houses at S. W. Tenth Ave. and Fourth St., to cost \$35,000.

Fla., Tampa—Miss L. P. McMillam has purchased lot on Platt between Delaware and Edison Sts. as future site of apartment building.

Fla., Tampa—F. T. Macon, manager Walker-Hood Furniture Co., has purchased lot on S. Delaware between Platt and Cleveland Sts., as future site of apartment building.

Fla., Tampa—Mrs. Eunice L. Moody has purchased lot on N. E. cor. Platt and Delaware Sts., and is reported to contemplate erecting apartment building.

Md., Baltimore—Cyril H. Hebrank, Archt., Strathmore Ave. near Park Heights Ave., prepared plans for erection of 4-story brick apartment house at University Parkway and 39th St., to cost \$250,000; contain 56 apartments; slow burning construction, slag roofing, concrete and wood finish floors, brick foundation, hollow tile, interior tile, metal doors, ventilators; bids opened Feb. 2. (Lately noted.)

Md., Baltimore—Nathan J. Myerburg, 210 N. Calvert St., expects work to begin in spring on 4-story brick apartment building

at S. W. cor. Calvert and Twenty-fifth Sts.; contain 12 suites of 4 rooms and bath each; 48x58 ft.

N. C., Asheville—Mrs. E. J. Boyles contemplates erecting apartment building at N. Liberty and Broad Sts., to cost \$25,000; Smith & Carrier, Archts., Asheville.

N. C., Durham—Citizens Hotel Co. has made several changes in plans for hotel; including elimination of roof garden an addition of 37 rooms with bath, ball room and private dining rooms will be moved to mezzanine floor instead of 8th floor; will be 8 stories, mezzanine and basement; lower portion to be Indiana granite and upper portion of rough face brick and tile; Stanhope S. Johnson, Archt., Lynchburg, Va.; Jno. A. Buchanan, Chmn. hotel executive committee. (Lately noted.)

N. C., Hickory—Hickory Hotel Co., has been organized with following officers: J. A. Moretz, Pres. Board of Directors; E. Lyerly, Vice-Pres.; Geo. R. Wootten, Sec-treas.; Thos. P. Pruitt, Attorney; and contemplate erection of 100-room, \$250,000 hotel on Abernethy lot on 11th Ave and 13th St. (Lately noted.)

N. C., Montreat—Mountain Retreat Assn., contemplates erection of \$100,000 hotel to replace Montreat Hotel, used as dormitory for Montreat Normal School, recently destroyed by fire at \$25,000 loss, according to Dr. R. C. Anderson, Pres.; will accommodate from 250 to 300 girls.

S. C., Greenville—Clinton C. Jones has plans by Silas D. Trowbridge, Atlanta, Ga., and is receiving bids for erection of apartment house on Manly St. between Pettigru and East Washington Sts.; 3 stories and basement; dark tapestry faced brick; ornamental tiling, wrought iron and tile porches, contain 15 apartments varying from 4 to 6 rooms, each will contain cedar closets, door bells, china cabinets and breakfast rooms. (Lately noted.)

Tenn., Chattanooga—Stone Fort Land Co., Z. C. Patten, Pres., is having plans prepared by Smith & Downing, and Pringle & Smith, Atlanta, Ga., for erection of 10-story addition to Hotel Patten; plans will be complete Feb. 15 or 20 and bids will be opened about Mar. 1; 147 rooms, each having connecting bath, with tile floors and tile wainscoting; fireproof, structural steel with hollow tile partitions; cost \$250,000; will be erected on Columbia St. over present kitchen and dining room; new dining room will be constructed and lobby redecorated and furnished; concrete flooring, tar and gravel roofing, ventilators, ornamental terra cotta, steel sash and trim. (Lately noted.)

Tenn., Jackson—Board of Directors of Association of Commerce elected following officers: F. B. Wilkinson, Pres.; Harris Brown and Oliver Benton, Vice-pres.; L. O. Sweetmen, Treas., and E. D. Wilder, Sec.; contemplate \$500,000 Southern Hotel project.

Tenn., Knoxville—St. James Hotel contemplates extensive remodeling, including making Rose Bldg. at rear of hotel, into an annex, also complete remodeling of front.

Tex., Beeville—City Commissioner A. V. Schvab contemplates erection of hotel at Cleveland and Washington Sts., to cost \$80,000 complete; 140x90 ft., 3 stories and basement, 25 rooms with private baths and 25 without, public and private dining rooms, lobby, ladies' parlors, sample rooms, barber shop, steam heat and elevators.

Tex., Bowie—L. A. Carthey, Dallas, is preparing plans for erection of \$70,000, 3-story, brick and stone hotel.

Tex., Dallas—Jno. B. Munns and associates contemplate erection of 16-story hotel at N. W. cor. Main and Poydras Sts., to cost \$800,000.



000 and be erected on site of old American Exchange National Bank Bldg.; reinforced concrete and steel construction, contain 210 rooms each with bath; face Main St. with entrance to lobby between 2 store rooms on ground floor; entrance on Poydras St., facing elevators; 50x100 ft., fire escapes in court on west side of building; Cleveland & Litzelman, Archts., Dallas.

Tex., San Antonio—Salvation Army, Avenue E and Third St., announce that hotel building will be constructed at Avenue E and Third Sts.; brick and concrete, 3 stories; will soon select architect and work will start within 4 months.

Tex., Texarkana—F. E. Pharr, Arthur Temple, Jno. J. King, Geo. R. Payne, and others were elected directors for hotel company contemplating erection of \$600,000 hotel; will contain 200 rooms or more; \$601,150 has been subscribed; will be located on Schwarz Park grounds; 8 stories, steel, stone and brick; Mann & Stern, Archts., Little Rock, Ark., received bids for construction; contract not awarded. (Lately noted.)

Va., Fredericksburg—Board of Directors of Fredericksburg Hotel Co., contemplate expenditure of \$100,000 for enlargement and improvement to Princess Anne Hotel; will include addition of 40 rooms with private baths, private dining room for Rotary and Kiwanis Clubs, garage for storage of guests' automobiles.

Va., Richmond—L. P. Hartsook and Edw. F. Sinnott will erect 2-story flat building for colored people, on Jackson St., to cost \$17,000.

### Miscellaneous

Ala., Fairfield—C. J. Donald Real Estate & Insurance Co., C. J. Donald, contemplates erection of \$40,000 building at corner Gary Ave. and 47th St.; 60x100 ft.

Ark., Monticello—Baptist Orphans' Home Board, A. L. Owen, Pres., contemplate expenditure of \$100,000 for erection of 2 dormitories.

Ark., Paragould—J. C. Ford contemplates erecting 2-story brick building at North Pruet and Highland Sts., to cost \$20,000; will consist of filling station, display room, cafe, 4 apartments, other rooms suitable for offices; filling station will be 30x50 ft., and rest of building 54x75 ft.

D. C., Washington—Embassy—Warren & Wetmore, Archts., 16 E. 47th St., New York City, will open bids June 13 in New York for construction of 4-story building for Royal Italian Embassy, 16th and Fuller Sts.; 144x107 ft., concrete, brick and marble construction.

Fla., Daytona—Daytona Business and Professional Women's Clubs, Mrs. I. M. Mabbette, Pres., will soon start building fund for erection of club house.

Fla., Miami—Clubhouse—Miami Architectural Club will erect building at N. W. Seventh Ave., Spring Road and Spring Gardens; triangular, 80 ft. on each side; lobby, reception room, ladies' reception room, banquet hall, kitchen and studio; Kiehnel & Ellicott, Archts., Miami, Fla. (Lately noted.)

Fla., St. Petersburg—James Trotter is reported to contemplate erection of building on Ninth St.

Fla., Tampa—American Pharmaceutical Association appointed Ernest Berger a member of advisory committee, which will have charge of location and building of a \$500,000 headquarters building.

Miss., Laurel—Eastman Memorial Foundation, S. M. Jones, Pres., has received an additional gift of \$175,000 from Mr. and Mrs. L. C. Eastman, for the Lauren Rogers'

library; building to cost \$125,000 will be added to library and \$50,000 will be added to endowment fund.

Mo., Bridgeton—Club House—Flying Club of St. Louis voted to take over leases on flying field and erect club house.

Mo., St. Louis—Community Building—Our Community League, a corporation of 25 representative negroes, has purchased N. E. cor. Ewing and Pine Sts., as site of proposed community building to cost \$350,000; 180x131 ft.; fireproof; chocolate colored, brick trimmed, cream terra cotta; 4 stories with 12 stores on ground floor; will contain auditorium, theater, clubrooms, gymnasium, cafe, day nursery, barber shop, library, ladies' rest and reception rooms, offices for physio-garden to serve public; ready within 6 months.

N. C., Kinston—Harry Stallings and others contemplate erecting 2 or 3-story building on Gordon near Queen Sts., to cost over \$20,000.

Tex., Dallas—Home—Board of Trustees of C. C. Young Memorial Home for the Aged, Judge Geo. W. Riddle, A. T. Wilson, and others, have plans by Jno. W. Westbrook, and will soon call for bids on erection of first unit of Home to cost \$50,000 and contain 44 bedrooms, office, matron's quarters, reception room, dining room and kitchen.

Tex., Waco—Board of Trustees of Methodist Orphans' Home, Dr. J. W. Torbett, Chmn., will soon receive bids for erection of 3-story wing to present chapel and school building and a cottage; cost \$50,000.

Va., Richmond—Clubhouse—Country Club of Virginia will build \$80,000 addition; Neff & Thompson, Archts., Norfolk, considering bids.

### Railway Stations, Sheds, Etc.

Fla., Port St. Joe—Apalachicola Northern R.R. Co., Bryan Snyder, Vice-pres. and Gen. Mgr., Port St. Joe, has started improvement campaign and has cleared land for a concrete vault and other additions to present depot and office building.

Tex., Dallas—Missouri-Kansas-Texas R. R. Co., Frank Ringer, Ch. Engr., St. Louis, Mo., will open bids Feb. 11 for erection of 7-story reinforced concrete warehouse and office building Pacific ave. between Market and Jefferson Sts.; cost about \$725,000; 100x200 ft.

### Schools

Ala., Attalla—City will vote Feb. 11, on \$30,000 bond issue for addition to grammar school building and repairs to old structure. Address School Board. (Lately noted.)

Ala., Boaz—John H. Snead Seminary, Dr. Wm. Fleider, Pres., contemplates erection of \$30,000 gymnasium; to be financed by private donations.

Ala., Birmingham—Board of Control of Alabama School of Trades & Industries, W. T. Brown, Chmn., will receive bids and proposals until Feb. 15 for location of the school. (Lately noted.)

Ala., Fairfield—Board of Education, Dr. C. B. Glenn, contemplates erecting high school building on land of Burgin estate; may call bond election.

Ala., Talladega—Board of Education will open bids Feb. 27th, for erection of high school building after plans by R. H. Hunt Co., Archts., Chattanooga, Tenn. and Dallas, Texas; Jno. R. Chapman, Talladega, Chmn. Bldg. Comm. (Lately noted.)

Fla., Daytona—City will soon hold election to vote on \$125,000 bond issue for erection of school building.

Fla., St. Petersburg—Edgar Ferdon, Archt., is preparing plans for establishing Pasadena

College on property near Pasadena Estates and facing Boca Ceiga Bay.

Ga., Duluth—Gwinnett County Board of Education, Heard Summerour, Sec., Lawrenceville, will open bids Feb. 20th, for erection of 1-story school building; concrete foundation, 8 class rooms and auditorium 40x70 ft., asphalt shingle roofing, hardwood and concrete flooring, ventilators; Wm. J. J. Chase, Archt., Savannah, Ga. (Lately noted.)

Ga., Ingleside—De Kalb County Board of Education, Decatur, is having plans prepared by Wm. J. J. Chase, Savannah, Ga., and will soon call for bids on erection of 1-story school building; asphalt shingle roof, concrete flooring, ventilators.

Ga., Perry—Board of Trustees, Chas. G. Harris, R. R. H. Harper, H. P. Houser, and others, contemplate election of bonds, for erection of school building.

Ga., Scottdale—De Kalb County Board of Education Decatur, is having plans prepared by Wm. J. J. Chase, Savannah, and will soon call for bids on erection of 1-story school building; 8 class rooms and auditorium 40x70 ft., hardwood and concrete flooring, concrete foundation, asphalt shingle roofing, ventilators.

La., Rayville—Richland Parish School Bd. will open bids Feb. 12th, for erection of 2-story brick and concrete school building in Mangham School District No. 16; E. E. Carroll, Archt., Pickering, La. (Lately noted.)

Md., Ellicott City—Board of Education of Howard County contemplate \$180,000 bond issue for construction of high schools at Ellicott City and at West Friendship.

Md., Ridge—Executive Committee Board of Trustees, Admiral Wm. S. Benson, Chmn., have selected site and broken ground for main building of Cardinal Gibbons Institute; 2 stories, 72x42 ft., with basement over ground in rear; colonial type, 12x20-in. cement blocks tooled and with joints pointed; red asbestos shingle roofing, cement flooring; ground floor will have 6 class rooms and offices; basement will contain kitchen, dining room and laundry; second floor dormitory for boys; Louis Rouleau, Archt., Washington, D. C.

Md., Towson (Br. of Baltimore)—Baltimore County Board of Education, Samuel M. Shoemaker, Pres., adopted resolution for issuing \$1,500,000 additional bonds for erection of schools in Baltimore County; plan includes high school at Towson and Catonsville, each to cost \$240,000; \$110,000 buildings at Essex, Cockeysville, Parkville, and smaller buildings at other places.

Miss., Ellisville—Jones County Agricultural High School, C. W. Jenkins Supt. Education, contemplates \$100,000 bond issue for erection of Junior College to cost \$75,000.

Miss., Okolona—Board of Trustees, B. F. Ellis, W. R. Doake, and others, are having plans prepared by C. H. Lindsley, Jackson, Miss., for erection of 3-story brick and frame school building; steel trusses, 180x200 ft., wood and concrete flooring, reinforced concrete foundation, composition roofing, metal ceilings, ventilators; will probably open bids April 1st. (Lately noted.)

Miss., Port Gibson—Trustees of Chamberlain-Hunt Academy contemplate rebuilding McComb Bldg., recently destroyed by fire; a Jackson Architect is preparing plans. (Lately noted destroyed at \$100,000 loss.) Education, Pawhuska, will soon hold election of \$78,000 bond issue for erection of senior high school. (Lately noted.)

Mo., Albany—Board of Education contemplate erection of \$100,000 school building; will raze old building and erect new one on

site; bids opened Feb. 1. (Lately noted—voted \$100,000 bonds.)

Mo., Cameron—City voted \$90,000 in bonds for erection of grade school building and \$12,000 for improvements to South Side school building.

Mo., Canton—Dr. J. H. Wood, Pres. Culver-Stockton College, has announced that dormitory recently destroyed by fire will be rebuilt.

Mo., Caruthersville—Board of Education, Caruthersville School District No. 18, has plans for erection of high school building to cost about \$200,000 and accommodate 800 pupils. (Lately noted.)

Mo., Jefferson City—Board of Education, W. M. Oakerson, Supt., contemplate erection of high school building to cost \$200,000.

Mo., Joplin—Board of Education, Jesse Zook, Sec., will erect storeroom for supplies on new East Central school site; 20x60 ft., galvanized iron. (Lately noted.)

Mo., Linneus—Linn County Board of Education was defeated \$40,000 bond issue for repairs and construction of addition to district school building.

Mo., Millersville—Citizens voted to call election in near future to vote on bonds for erection of school building; Address Cape Girardeau County Board of Education, Jackson, Mo.

Mo., University City (Sta. St. Louis)—Board of Education, H. M. Buckley, Supt., is having plans prepared by Ferrand & Fitch, c/o Washington University, St. Louis, for erection of brick school building; fireproof, concrete flooring, first unit 8 rooms and ground floor, 2 stories and ground floor, concrete and brick foundation, tile roofing. (Lately noted—voted \$262,000 bonds.)

N. C., Durham—School Board, F. M. Martin, Supt., rejected all bids for second time, for erection of junior high school to cost \$200,000; Milburn, Helster & Co., Union Savings Bank Bldg., Washington, D. C., and Durham, N. C. (Lately noted.)

N. C., Durham—School Board, F. M. Martin, Supt., has postponed erection of \$200,000 junior high school building for 6 months; to contain 24 rooms and auditorium; Milburn, Helster & Co., Archts., Union Savings Bank Bldg., Washington, D. C. and Durham, N. C. (Lately noted.)

N. C., High Point—School Board has plans and will soon award contract for erection of high school building.

N. C., Rutherfordton—Rutherfordton County voted \$200,000 bond issue for erection of consolidated high school building; Address Rutherfordton County Board of Education. (Lately noted.)

N. C., Maxton—Robeson County Board of Education, Lumberton, N. C., selected L. M. Boney, Wilmington, N. C., to prepare plans for erection of \$100,000 high school building to contain 8 class rooms and auditorium to seat from 800 to 1000 persons; recently voted \$100,000 bond issue.

N. C., Stokesdale—Guilford County Board of Education, Greensboro, is having plans prepared by W. C. Northup, Winston-Salem, N. C., and will soon call for bids.

Okla., Elmore City—Bond election for \$23,500 for consolidated high school building carried. Address Garvin County Board of Education, Pauls Valley, Okla.

S. C., Columbia—Columbia School District, Board of Trustees, has plans by Wilson, Berryman & Kennedy, Archts., Columbia, S. C. and Wilson and Gastonia, N. C., for erection of negro school on Howard St.; bids opened Feb. 7th. (Lately noted.)

S. C., Florence—Trustees of Sard's School, W. H. McElveen, Chmn., contemplate erection of 2-story frame school building; Trus-

tees will furnish all material. Bids opened Feb. 2.

S. C., Greenwood—Lander College, B. R. Turnipseed, Pres., contemplate erecting \$75,000 dormitory; \$25,000 has been donated by a citizen, and balance will be raised by campaign.

Tenn., Cleveland—Board of Education, O. W. Hudson, Chmn., will open bids Feb. 20th, for erection of South Cleveland School and College Hill School; separate bids on plumbing, heating and electric wiring; Chas. E. Bearden, Archt., 321-23 First National Bank Bldg., Chattanooga, Tenn.

Tenn., Johnson City—City will on Feb. 14 consider plans and sketches for high school with classrooms sufficient to accommodate 800 pupils and with auditorium and gymnasium to accommodate 1000 each; estimates of cost should be made upon basis of fireproof building; after selection of plan Board of Commrs. will call bond election in May to finance construction. (Lately noted.)

Tenn., Lebanon—Board of Trustees of Cumberland University contemplate erection of girls' dormitory to cost \$50,000.

Tenn., Lenoir City—Lenoir City School Comm. R. C. Wallace, Chmn., will take bids about Feb. 10 to 20, for erection of \$40,000 brick school building; Barber & McMurray, Archts., Knoxville, Tenn. (Lately noted.)

Tenn., McKenzie—Bethel College has plans and specifications and will soon let contract for erection of dormitory.

Tenn., Memphis—School Board plans to erect 6-room addition, cafeteria, and probably enlarge auditorium at South Side High School building.

Tenn., Paris—Paris Special School District, W. N. Porter, Sec. of Board, contemplate erection of 6 room addition to Atkins-Porter School. Bids opened Feb. 5.

Tenn., Sweetwater—Monroe County Board of Education will receive new bids for erection of Lynn Bachman Grammar School; cost \$75,000; 20 rooms and auditorium to seat 1000; A. B. Baumann Son, Archts., Knoxville, Tenn. (Lately noted—rejected all bids.)

Tex., Austin—Board of Missions, M. E. Church, South, Nashville, Tenn., has plans by Roy L. Thomas, Littlefield Bldg., Austin and Sanguinet, Staats and Hedreick, Dallas, Asso. Archts., for erection of 3 story and basement dormitory at 29th and Guadalupe Sts.; fireproof, white oak hardwood flooring, exterior of classic type architecture, modelled brick, white stone trimmings, 62x137 ft., cost \$100,000; Mrs. T. A. Brown, Sec. and Chmn. Building Board. (Lately noted.)

Tex., Austin—School Board, A. N. McCallum, Supt., will confer with Architects on proposed program provided by \$500,000 bond issue. (Lately noted.)

Tex., Austin—Texas Memorial Stadium Association was incorporated and H. J. L. Stark, Orange, Tex., will head them in erection of \$500,000 stadium at University of Texas. (Lately noted.)

Tex., Austin—University of Texas Methodist Church is considering plans for erection of Bible Chair Building; \$30,000 has been subscribed; auditorium on top floor to accommodate 200 to 300 students; ground floor will have class rooms, library, cloak rooms and office for director; address Ernest C. Webb, director of Bible courses.

Tex., Fort Worth—Board of Education, 921 Jennings Ave., will open bids Feb. 11 for fire escapes to be installed on 14 school buildings.

Tex., Hale Center—Hale County Board of Education, Plainview, authorized Kerr & Walsh, Amarillo, to draw plans for erection of addition to high school building.

Tex., Lamesa—School Board, J. R. Lowne, Pres., voted \$124,000 bond issue for erection of high school building; 3 stories, steam heat, brick, stone and reinforced concrete frame; will contain gymnasium, studies, auditorium, domestic science and agricultural departments; will soon select Architect. (Lately noted.)

Tex., Lockney—Lockney Independent School District, S. W. Perry, Pres., voted \$35,000 bond issue for erection of addition to present school building; 2 stories, brick and tile; edge grain flooring, tar and gravel roof, hollow tile, metal ceilings; E. F. Rittenberry, Archt., Amarillo, Texas.

Tex., Muleshoe—Bailey County Board of Education authorized Kerr & Walsh, Amarillo, to draw plans for erection of school building.

Tex., Orange Grove—Citizens voted \$40,000 bond issue for erection of high school building. Address Jim Wells County Board of Education, Alice, Texas.

Tex., Thalia—Foard County Board of Education, T. M. Haney, Pres., is having plans prepared by Voelcker & Dixon, 500-1 Morgan Bldg., Wichita Falls, for erection of \$40,000 9-room and auditorium school building.

Tex., Tyler—School Board rejected all bids for construction Gary Ward School and Texas Junior High School; ward school to cost \$40,000 and high school \$150,000; DeWitt & Lemmon, Dallas, and Wm. B. Ittner, St. Louis, Mo., Archts., will modify plans and call for new bids. (Lately noted.)

W. Va., Martinsburg—Berkeley County Board of Education, C. E. Jenkins, Pres., contemplate bond election soon for erection of high school building.

W. Va., Morgantown—Board of Education of Morgan District of Monongalia County, will hold election for approval of \$60,000 bond issue for erection of 2 high schools in the District; 1 at Sebraton to be 2 stories brick and contain 8 rooms and basement, cost \$50,000 and other at Evansdale to cost \$10,000.

W. Va., Triadelphia—Board of Education of Triadelphia District is receiving bids for erection of school building at Mt. de Chantal; M. F. Glessey, Archt.

## Stores

Ala., Clayton—Teel & Clayton contemplate rebuilding Enterprise Hotel, to be used as garage and repair shop for automobiles, retail and wholesale gasoline and oil business, and 2 storerooms.

Ark., Clarendon—J. P. Lee is having plans prepared by Estes W. Mann, Memphis, Tenn., for re-vamping and installing new fronts in entire block of stores facing court square; Bank of Clarendon building will be taken down from 2 stories to 1 and reconstructed, with new plate glass front and interior decorations; includes revamping and installation of new fronts on 5 other buildings, brick and stone being used on exteriors. Will soon award contract.

Ark., Little Rock—Ed Wright of Wright-Mann Motor Car Co. has purchased 75 ft. of ground at Third and Poplar Sts. and has plans for erection of store building; 60x140 ft., brick; construction in 60 days.

Ark., Pine Bluff—Long Bell Lumber Co., R. A. Long Bldg., Kansas City, Mo., with office at Pine Bluff, plans to erect \$15,000 business building on Sixth Ave., to house department store of Arkansas division.

Ark., Stuttgart—J. M. Murray contemplates erection of 2-story brick building at Second and Main Sts.; 50x150 ft.; greater portion of north wall will be glass.

Fla., Miami—J. Neham, prop. New York Decorating Co., purchased 2 lots on Argon



Ave., and is having plans prepared by H. Geo. Fink, Miami, for erection of 1-story business building to cost \$10,000; 50x100 ft.

Fla., St. Petersburg—W. H. Hilbert is reported to plan construction of business block on 200-ft. frontage on Ninth St.

Ky., Blackey—J. T. Whitaker will erect business building; contract at once. (See Buildings Proposed—Dwellings.)

Ky., Cornettsville—Riddle & Son will erect \$10,000 business building; contract in 3 weeks.

Ky., Lothair—Farish Barnett will erect store and office building to cost \$10,000; contract in 3 weeks.

Ky., Ulvah—Commercial Coal Co. will erect \$10,000 store and several miners' dwellings.

Md., Baltimore—Arthur O. Kruger, Hotel Kernan, has purchased Goodwin Bldg., 12-13 S. Calvert St., and contemplates remodeling into restaurant; 17x165 ft.; 2 story, stone.

Md., Cumberland—A. M. Harrison. Boulevard Hotel, will open bids Feb. 11, for extensive alterations to 40-42-44 Baltimore St.; will include new maple floors, piers for foundation, copper store front and show cases, steel girders and columns, paneled back and ceilings, tile entrance in and around display cases, mezzanine balcony Otis elevator, revolving doors. Marquee electric fixtures, awnings, prism glass, plate glass. Address T. W. Biddle, Jr., Archt., Macfarlane Bldg., Cumberland, Md. (Lately noted.)

Mo., Chillicothe—O. P. Clarke will erect 2-story fireproof business building; 60x105 ft., hollow tile, metal doors; R. Warren Roberts, Archt., Chillicothe; owner builds. Lately noted under Hotels and Apartments.)

Mo., Kansas City—Charles H. Luce has purchased 75-ft. frontage on Baltimore Ave. north of 19th St., and contemplates erecting 1-story shop building, with walls strong enough to carry 2 extra stories.

Tenn., Nashville—Oliver J. Timothy will erect 2-story, 2-room, brick storehouse, to cost \$15,000.

Tex., Lubbock—Bill Spikes of Spikes Bros. grocery, contemplates erecting brick business building on Avenue H.

Tex., Lufkin—W. R. Fuller contemplates erection of brick store building.

Tex., Lufkin—W. F. Athey contemplates erection of business building on Lufkin Ave.

Tex., Port Arthur—D. Oberholtz will erect 2-story building at 709 Proctor St. to cost \$28,000; ground floor will be occupied by Piggly-Wiggly Co. and second made into apartments.

Tex., Port Arthur—Mrs. Katherine Murr will erect store and apartment building at 1133 Proctor St. to cost \$12,850.

Tex., Sherman—Hall and Hare plan to erect 1-story brick building on Wall St., to contain 10 apartments for business firms; 45x144; plate glass fronts.

Va., Lynchburg—F. W. Woolworth Co. contemplates remodeling and underpinning stores; 45x130 ft., 4 stories, cost about \$75,000; plans by owners; S. S. Storer, Consult. Engr., Atlanta, Ga.

Va., Richmond—A. I. Weinberg will soon award contract to erect store building on E. Main St.; Carneal & Johnston, Archts.

## Theatres

N. C., Asheville—Jake Wells recently purchased Pack theater and plans to remodel, will probably add balcony; arcade opening on Pack square constructed. C. K. Howell, Archt., Richmond, Va.

## Warehouses

S. C., Spartanburg—N. O. McDowell will erect 3-story warehouse on Pollard St. near C. & W. C. freight depot; cost about \$10,000.

Tex., El Paso—Fort Smith Furniture Manu-

facturers' Co., Fort Smith, Ark., have completed plans for establishment of a warehouse; P. D. Peters will be in charge.

Va., Danville—Julian W. Fretwell contemplates erection of warehouse on Craghead St.

# BUILDING CONTRACTS AWARDED

## Association and Fraternal

Tex., Martindale—Masonic Order let contract to W. A. Velton, Lockhart, Tex., to erect \$25,000 temple; 2 stories, brick.

## Bank and Office

Ark., Morrilton—First National Bank has awarded contract to J. H. Reddick, Fort Smith, Ark., to erect its \$250,000 building; five stories; structural steel faced brick and terra cotta; elevators; first floor for use of bank to be ready by August 1; entire structure to be completed by October 1; upper floors for offices; Witt, Siebert & Halsey, Archts., Texarkana, Ark.-Tex.

Fla., Lakeland—Lakeland Gas Co. awarded contract to C. J. Hiers, Tampa, to erect 2-story brick building on S. Kentucky Ave. and Lemon St.; cost \$23,000; 131x95 ft., 7 display rooms on first floor, 32 offices on second; section of building to be completed at first for use of company.

Ga., Savannah—Standard Oil Co. let contract to R. J. Whalley, Savannah, Ga., for erection of fireproof building at Drayton, President and State Sts.; 2 stories, 90x60 ft., reinforced concrete, faced on 3 sides with terra cotta, tile roof, steel sash, sprinkler system; filling station on first floor, company's offices on second; rest room; plans by W. E. Glossop, Louisville, Ky., Archt.-Engr. for owner; T. M. Hoynes to be manager in charge.

Miss., Jackson—First National Bank let contract to Sumner-Sollitt Co., San Antonio, Tex., for erection of \$200,000 fireproof building; 2 stories, 50x120 ft., concrete, steel and terra cotta, built-up composition roof, tile, marble, cork-tile and maple floors, hollow fireproof and interior tile, plaster board, metal doors, vaults, vault lights, wire glass; direct steam heat, \$7000; electric lighting, \$4000; Marye, Alger & Alger, Archts., 801-05 Walton Bldg., Atlanta, Ga. (Previously noted.)

Mo., St. Louis—Grant State Bank, 5002 Gravois Ave., has bank and office building ready for roof; cost complete \$125,000; Kennerly & Stiegemeyer, Archts., 111 Title Guaranty Bldg.; Ruehle & Behle, Contrs., 4275 Red Bud Ave.; Sodemann Heat & Power Co., vapor system of heat; Wallace Van Nort, conduit system electric wiring; Maler Plumbing Co., 3651 Gravois Ave., plumbing and sewerage, all St. Louis. (Architects lately noted preparing plans.)

N. C., Lumberton—T. L. Johnson let contract on cost plus basis to W. M. Burney for erection of brick building; 2 stories, 33x75 ft. with 25-ft. extension, tile and composition tile and concrete floors on first floor, rift pine or hardwood on second, Barrett roof, metal ceilings, interior tile, metal doors, vaults, vault lights, ventilators, ornamental terra cotta, wire glass; foundation undetermined; bank on first floor, offices above; cost about \$25,000; J. M. McMichael, Archt., Charlotte, N. C. (Lately noted.)

## Churches

N. C., Rockingham—Methodist Church, W. B. Cole, Chmn., Bldg. Comm., let contract to J. P. Little & Sons, Charlotte, N. C., to remodel present structure and erect 2-story and basement, 20-room Sunday school annex; cost

\$50,000; including vapor system of furnace heat and pipe organ. (Previously noted.)

N. C., Statesville—First Presbyterian Church, H. B. Mills, Chmn., Bldg. Comm., let contract to J. P. Little & Sons, Charlotte, N. C., for erection of steel, concrete and brick building; limestone exterior, 1 and 2 stories, hardwood and tile floors, concrete foundation, tin roof, hollow and interior tile, ventilators, metal lath, wood sash and trim, opaque glass, hardwood pews, pipe organ, direct and indirect system of steam heating, electric wiring, plumbing in general contract; cost complete \$150,000 to \$160,000; Chas. C. Hook, Archt., Charlotte, N. C. (Lately noted.)

S. C., Clemson College—Methodist Episcopal Church, Rev. John D. Holler, Pres., let contract to C. M. Guest, Anderson, S. C., for erection of \$54,000 brick and frame building; 2 stories, about 50x90 ft., yellow pine floors, concrete foundation, tin roof; Casey & Fant, Archts., Anderson. (Lately noted.)

Tex., Bryan—First Presbyterian Church let contract at \$23,635 to Walker Construction Co., Bryan, for erection of concrete and brick building; 1 story, concrete foundation, composition roof, plaster board, concrete floors; Mr. June, Archt., Bryan. (Lately noted.)

Va., Lynchburg—Inglewood Baptist Church, S. P. Taylor, Chmn. Bldg. Comm., let contract to D. J. H. Coleman, Lynchburg, for erection of \$14,780 building on Inglewood Ave. near Peakland St.; main auditorium to seat 300, 14 Sunday school classrooms in basement; arrangements not yet made for heating plant or church equipment; Craighill & Cardwell, Archts., Peoples National Bank Bldg., Lynchburg.

W. Va., Huntington—Trinity Episcopal Church, John W. Ensign, Chmn. Bldg., Comm., reported to have let contract to A. F. Fidell Co., State Bank of Md. Bldg., Baltimore, Md., for erection of \$85,000 parish house, 5th Ave. and 11th St.; gymnasium, auditorium, etc.; Wm. F. Diehl, Archt., Huntington. (Previously noted.)

W. Va., Fayetteville—Methodist Episcopal Church has awarded contract to Mankin Lumber Co., Oak Hill, W. Va., to erect \$20,000 church as lately noted; 40x78.3 ft., brick and tile, rift pine floors, stone foundation, hot air heat, ventilation; plans by Minter Homes Corp., Huntington, W. Va.; Fayette Public Service Corp., Oak Hill, contr. for lighting; general contractor desires sub-bids on heating and ventilating. (See Machinery Wanted-Heating and Ventilating.)

## City and County

N. C., Wilmington—Courthouse—New Hanover County, Addison Hewlett, Chmn., County Commrs., let contract at \$153,540 to U. A. Underwood, Wilmington, for erection of steel and reinforced concrete addition to present courthouse; 4 stories, 64x118 ft.; will contain jail; A. B. Blake & Co., has contract for electric wiring at \$2689; Capps-Griffith Plumbing Co., plumbing, \$5635; R. D. Dixon, heating, \$8380, all Wilmington; Raymond Concrete Pile Co., New York City, foundation at \$10,970; Leslie N. Boney, Archt., Wilmington. (Lately noted.)

S. C., Spartanburg—Pavilion and Bath House—City, P. J. O. Smith, Engr., will erect pavilion and bath house for Cleveland Park swimming pool under supervision of Mr. Smith; total cost \$12,427.

Va., Danville—Home—City let following sub-contracts in connection with erection of home for aged and infirm; Heating, Fasby Plumbing & Heating Co.; plumbing, Edmonds Plumbing & Heating Co.; lumber and mill-work, A. G. Pritchett & Co.; hollow tile, Jas. J. Pritchett & Son; C. M. Weber, Gen. Contr., Masonic Temple; Heard & Chesterman, Archts., all Danville; building to be brick and hollow tile, 36x128 ft., 2 stories, pine floors, brick foundation, composition shingle roof, cost \$20,000. (Lately noted.)

### Dwellings

Ala., Greenville—W. H. Seale has awarded contract to H. P. Jones, Greenville, to erect residence on South Park Ave.; cost \$10,000.

Ark., Forrest City—S. J. Dean will erect \$10,000 residence; 2 stories, brick veneer, stone trim, sleeping porch; Estes W. Mann, Archt., Memphis, Tenn.; Chas. Bohnle, Contr.

Fla., Daytona—Walter C. Hardesty will erect 8 Mediterranean type dwellings in Rio Vista and 8 additional dwellings later; cost \$7000 to \$16,000 each; Martin L. Hampton, Archt., Miami, Fla.

La., New Orleans—Walter Battistella will erect \$14,529 residence, Esplanade Ave. and Kerlerec St.; Sam P. Simone, Contr., New Orleans.

La., New Orleans—W. Haspel will erect \$14,000 residence, 31 Audubon Blvd.; E. A. Christy, Archt.; A. Garret, Contr., 912 Canal-Commercial Bldg., both New Orleans.

Md., Baltimore—Palmer Development Co., will erect 15 two-story brick dwellings at 5102-18 and 5117-27 Palmer Ave.; cost \$45,000.

Md., Baltimore—Columbia Building Co., 3311 McElderry St., will erect 20 dwellings, 500-538 Highland Ave., 16x28 ft.; 19 dwellings, 414-450 Highland Ave. and 12 dwellings 610-632 Highland Ave.; 15x28 ft.; all brick, two stories, hot air heat; total cost \$100,000. Owner is architect and builder.

Md., Baltimore—Fred E. Saumenig, 5001 Liberty Heights Ave., will erect 4 frame bungalows, S. N. W. side Packard Ave., S. W. of Haddon Ave.; 1½ stories, 26x31 ft., shingle roofs, hot air heat; total cost \$12,000; E. J. Peregoy, Archt.; owner builds. (Lately noted.)

Md., Baltimore—Thomas Mullan, 3945 Greenmount Ave. will erect twelve two-story brick dwellings west side of Wilson Ave., west of Cator Ave.; four 20x30 ft.; eight 14x45 ft.; steam heat; cost \$60,000; A. Blatchley, Archt.; owner builds.

Md., Baltimore—Rudolph F. Nolker, 4809 Harford Road, will erect four one-story frame dwellings east side of Valley Road south of Highland Ave. cost \$10,000; 26x30 ft.; H. B. Mason, Archt. Construction by owner.

Md., Baltimore—Northwest Real Estate Co., Morris Building, will erect two frame dwellings and garages at 5402 Ellamont Road; and two at 3400 Rosedale Road; all 2½ stories, dwelling 27x28 ft., garages 18x20 ft.; total cost \$14,000; will also erect four 2½-story frame dwellings, 600-02, 703 Brookwood Ave., and 3504 Denison Rd., total cost \$37,000; George R. Morris Organization, Archt. & Contr., Morris Building.

Miss., Itta Bena—J. F. Crowell will rebuild burned residence; J. L. Cameron, Contr., Greenville, Miss.

Mo., Clayton—Mrs. William Mehl will erect \$23,000 residence on Price road near La Rue road; 60x31 ft.; frame stucco; Geo. J. Weber, Contr., 4568 Newberry St.

Tenn., Memphis—Mrs. Lutheria A. Warren will erect English type brick cottage, N. McLean St. near Poplar Ave.; half-timber trim, creosote-dipped shingle roof, 2 baths; J. Frazier Smith, Archt.; Joe Smith, Contr., both Memphis.

Tex., Dallas—H. E. Sanders awarded contract to S. J. Churchill, Dallas, to erect residence to cost about \$10,000, 812 Grandview Ave.; 1 story, brick veneer; F. J. Woerner & Co., Archts., Dallas.

Va., Richmond—Davis Bros. Inc., 2510 W. Main St., purchased tract at Gilmore St. and Gloyd Ave., and plan to erect 12 dwellings; cost about \$8750 each, brick, 6 rooms and bath; owners build.

Va., Richmond—Benedictine Military Academy will erect \$35,000 residence for Rev. Father Bernard; Southeastern Construction Co., Contr., Charlotte, N. C.; work to begin at once.

Va., Blackwood—Blackwood Coal & Coke Co. is reported to have let contract to R. H. Hamill Co., to build 300 dwellings; will also erect school.

### Government and State

Ark., Marianna—Post Office—Treasury Department, James A. Wetmore, Acting Supervising Archt., Washington, D. C., will erect \$50,000 post office; Algernon Blair, Contr., Montgomery, Ala. (Noted Jan. 31.)

### Hospitals, Sanitariums, Etc.

Md., Baltimore—Johns Hopkins Hospital and University, W. W. Wood, Chmn., Bldg. Comm., awarded contract to Consolidated Engineering Co., Geo. P. Zouck, Pres., 243-69 Calvert Bldg., Baltimore, Md., to erect \$700,000 power-house on west side of Wolfe St., north of Monument St.; will furnish heat for entire group of hospital buildings and proposed School of Hygiene and Public Health; fireproof construction, brick and concrete, 2 stories; tunnels under Monument and Wolfe Sts.; mechanical equipment let; Jos. Evans Sperry, Archt., Calvert Bldg., Baltimore.

Tenn., Chattanooga—Pine Breeze Sanitarium, Dr. Margaret White, Supt., let contract to Stewart Construction Co., Chattanooga, for erection of \$14,000 nurses' quarters; 2 stories, 55x35 ft., brick and stucco. (Lately noted.)

W. Va., Charleston—St. Francis Hospital let contract at \$185,000 to J. H. Phillips, Charleston, for erection of 3-story and basement brick hospital; 141 ft. front with 90-ft. wings; brick, concrete and metal lumber construction, terrazzo and concrete floors, concrete and brick foundation, composition and built-up roof, hollow and interior tile, ventilators; contract for heating and plumbing to West Virginia Heating & Plumbing Co., Charleston; Wm. P. Ginther, Archt., Akron, O., nearly all sub-bids awarded; elevator contract not let.

### Hotels and Apartments

Ark., Little Rock—Paul F. Witherspoon will erect 3-story brick and stucco apartment building at 612-14-16 North Cedar St., to cost \$23,000; 95x45 ft., oak flooring,

concrete foundation, slate roof, plaster board; also 6 or 7 bungalows under construction; Owner builds. (See—Machinery Wanted—concrete mixer.)

Fla., Miami Beach—A. L. Sammons will erect 2-story cement block apartment building at 710 Pennsylvania Ave.; cost \$14,000; 50x35 ft., concrete and hardwood flooring, built-up roofing, concrete foundation, 4 suites of 4 rooms each; Ambrose Co., electric lighting; Dulbs & Co., plumbing; W. F. Brown, Archt., all Miami Beach. Owner builders. (Lately noted.)

Ky., Ashland—John L. Steele let contract to Don Dixon, Ashland, to erect apartment building at Fourteenth St. and Lexington Ave.; massive Colonial design; 2 apartments on each 2 floors; basement rooms for occupants' storage, laundry, etc.; third floor contain quarters for servants; each apartment with 6 rooms; contractor assisted by Chess Steele.

Mo., Kansas City—J. R. Sutherland awarded contract to Collins Brothers, Kansas City, to raze home at N. W. cor. Armour Blvd. and Locust St., and erect Sombart Apartments; cost \$365,000; 85 x 212 ft. (Lately noted.)

N. C., Charlotte—Mrs. M. Moore awarded contract to Southeastern Construction Co., Charlotte, at \$12,500, to erect 2-story, 4-family apartment building at 402 W. Eighth St.; containing 16 rooms, brick veneer, 38x57 ft., oak flooring, brick foundation, asbestos shingle roof; M. R. Marsh, Archt., Charlotte, N. C. (Lately noted.)

N. C., Greensboro—Mrs. H. T. Gregory awarded contract to R. M. Richardson, Greensboro, to erect 2-story apartment house at 1028 West Market St., to cost \$15,000; fireproof, brick and tile; 4 apartments.

Tenn., Memphis—Richard Starch will erect 2-story brick apartment building at Manasses and Jefferson Aves.; cost \$25,000; 42 x 56 ft., hardwood and concrete flooring, composition roof, concrete foundation, interior tile, ventilators; Southern Heating Co., steam heat; Liberty Electric Co., conduit system lighting; Tennessee Plumbing Co., plumbing and sewerage work; Henry J. Kramer, Archt.; all Memphis. Construction by Owner.

Tenn., Memphis—Southern Hotel Co. (W. T. Halliday and associates) awarded contract to B. W. Buttas Brothers Co., 720 Cass St., Chicago, Ill., to construct all of foundation, concrete and masonry work, on Hotel Peabody; cost \$3,500,000; 324x170 ft.; 12 stories, brick and terra cotta exterior, reinforced concrete construction, will contain over 600 rooms, gravel roof, cement and hardwood floors, plaster board, metal ceilings and doors, vaults, mail chutes, ventilators, ornamental terra cotta, steel sash and trim, wire glass, low pressure steam heat, direct current, 3-200 k.w. generators, electric elevators; Walter W. Ahlschlager, Archt., 65 E. Huron St., Chicago, Ill. (Lately noted.)

Tex., Dallas—Geo. L. Crofford awarded contract for erection of 3-story brick and stone apartment building at Throckmorton and Rawlins Sts., to cost \$100,000; steam heating system.

Tex., Dilley—Dilley Hotel Co. awarded contract to R. B. Carpenter, Waco, Tex., at \$16,600 to erect 2-story hotel building; contain 20 rooms; hollow tile; Bert McNeill, Archt.; Address L. A. Lowe, Dilley, Texas. (Lately noted.)

Tex., Greenville—Rev. A. A. Duncan let contract for erection of 4-apartment building at Henry and Wesley Sts.; 4 rooms and bath each.

Va., Richmond—Rt. Rev. D. J. O'Connell



has plans by Hartsook and Sinott, American National Bank Bldg., Richmond, for erection of flats at Second and Jackson Sts.; brick, 60 x 60 ft., rift pine flooring, 2 stories, slag roof, concrete foundation; Joseph Heye, Richmond, has contract at \$18,000. (Lately noted.)

### Miscellaneous

Fla., Daytona—Casino—J. D. McMillan, Daytona and T. L. Wright, Murphreysboro, Tenn., awarded contract to Fuquay & Gheen, Daytona, to erect first unit of casino to be store and office building at Main St. and Ocean Ave., 2 stories, brick, 42x91 ft.; also contemplate erection of fishing pier, 24 ft. wide creosoted pine, stormproof construction; later a reinforced concrete and steel pier will be erected; main casino building will be 4 stories.

Fla., Miami—Race Track—Miami Jockey Club, J. M. Smooth, Pres., awarded contract to Wolfe Construction Co., Miami, to erect stables to accommodate 1050 horses in connection with \$500,000 racing plant; when stables are completed will start construction of grandstand to seat 7000 persons; clubhouse will accommodate 500 persons; Spanish design with observation roof; preliminary plans by Harold H. Mundy, Miami. (Lately noted.)

Mo., Springfield—Ozark Stock Show Assn. awarded contract to William Burgin, Springfield, to erect \$10,000 grandstand at White City Park; Geo. D. Reed, Archt., Springfield, Mo. (Lately noted.)

Va., Portsmouth—Frank D. Lawrence and Percy Trotman, owners of Portsmouth Club of the Virginia League, awarded contract for construction of baseball park in upper High St.; grand stand will seat 1800, bleachers will accommodate 3500.

### Railway Stations, Sheds, Etc.

Mo., Lebanon—St. Louis & San Francisco R. R. Co., F. G. Jonah, Ch. Engr., St. Louis, Mo., will rebuild passenger station recently destroyed by fire at \$20,000 loss; construction by owner.

### Schools

Ala., Montgomery—Building Committee, Dr. Walter D. Agnew, Pres. of College, Chmn., awarded contract to T. A. Monk, Montgomery, at \$90,000 to erect Weenona Hanson Hall, new dormitory for Woman's College; contract is for building exclusive of heating equipment; heating system will unite Weenona Hanson, Pratt and Jackson Halls; 4 stories and basement; will contain 50 rooms, reception room, lobby, etc.; accommodate 132 students in suites of 2 rooms and bath each. (Lately noted.)

Fla., Crystal River—Board of Public Instruction of Citrus County, Inverness, Fla. awarded contract to Martin & Co., Orlando, Fla., to erect \$25,000 high school building.

Fla., Pine Castle—County Board of Education, Jas. A. Knox, Chmn., awarded contract to F. P. Heifner, Orlando, Fla., at \$20,000 to erect school building; 60 x 70 ft., wood flooring, concrete foundation, asphalt roofing, brick, tile and wood construction; 2 stories and basement; hollow tile; all sub-contracts let; F. H. Trimble, Archt., Orlando, Fla. (Lately noted.)

La., Gueydan—Vermillion Parish School Board, J. L. Bernard, Pres., Abbeville, awarded contract to Chas. Montgomery, Kaplan, La., at \$48,448, to erect school building; 3 stories, 108.2 x 113.7, double pine flooring, reinforced concrete foundation, brick, plastered walls, metal ceilings, J. M. 4-ply and asbestos shingle roofing;

bids for 1-pipe gravity low pressure steam heating plant and plumbing were rejected, will re-advertise; G. C. Honold, Archt., Abbeville, La. (Lately noted.)

Md., Baltimore—Board of Directors of Calvert School awarded contract to Consolidated Engineering Co., 243-69 Calvert Bldg., Baltimore, to erect school building on Fortieth St. near Canterbury Road; will contain class rooms on 1 floor, theater, gymnasium, child training room, club room, infirmary, cafeteria, open-air theatre; Lawrence Hall Fowler, Archt., 347 N. Charles St. Baltimore, Md. (Lately noted.)

Mo., St. Louis—Congregation of Shaare Zedek, 1224 West End Ave., will erect 2-story brick school at 1224 West End Ave. to cost \$50,000; 78x112 ft., reinforced concrete roof; Will Levy, Archt., Dolph Bldg.; E. P. Shasserre, Contr., 515 Fullerton Bldg.; both St. Louis.

Mo., St. Louis—School Board, 9th and Locust Sts., awarded contract to E. C. Gerhard Bldg. Co., 956 Century Bldg., St. Louis, to erect 4-story high school building at 3810-60 Natural Bridge, to cost \$1,557,992; 374x204 ft., composition roof, steam heat; R. M. Mulligan, Archt., 9th and Locust St., St. Louis.

N. C., Gibsonville—Guilford County Board of Education, Greensboro, awarded contract to Byrum Construction Co., Oxford, N. C., at \$25,843.93 for erection of 2 negro schools; 1 at Browns Summit and other at Gibsonville; each 1-story, 6 rooms, brick and tile construction; Linthicum & Linthicum, Archts., Raleigh, N. C. (Lately noted.)

N. C., Hickory—School Board, R. W. Carver Supt., awarded contract to Jarrett & Riddle Co., Sanford, N. C., at \$177,791.50, for erection of Claremont High School building; steel frame, slow burning construction, 110x250 ft., "H" shape, will contain 24 academic and administrative rooms in central portion with auditorium and home economics department in one wing and gymnasium and shops in other wing; Jas. C. Shuford Co., Hickory, installation of plumbing at \$9645; American Heating & Ventilating Co., Richmond, heating at \$18,300; C. Gadsden Sayre, Archt., Anderson, S. C. and Raleigh, N. C. (Lately noted.)

Okla., Bartlesville—Board of Education of Bartlesville, School District No. 30, Washington County, F. E. Thurman, Clerk, awarded contract to T. E. Stacy, Bartlesville, at \$10,819 for erection of school building; 1 story, 78x55 ft., wood and cement flooring, concrete foundation, tar and gravel or asphalt roof, brick, stone, steel partitions, metal ceilings, ventilators; Bartlesville Sheet Metal & Plumbing Co., Bartlesville, heating and plumbing; electric lighting in general contract; Edw. Louis Gahl, Archt., 409 S. W. National Bank Bldg., Oklahoma City, Okla. (Lately noted.)

Tenn., Brighton—Tipton County Board of Education, Covington, awarded contract to J. C. Jamison, Covington, at \$24,600, to erect high school building; brick and concrete; 6 class rooms and auditorium to seat 300; 2 stories; e.g. pine flooring, composition shingle roof, concrete foundation, 42x63 ft. and 40x40 ft. annex; Fischer Heating Co., Memphis, steam heat; contract for electric lighting not let; Anker F. Hansen, Archt., Memphis, Tenn. (Lately noted.)

Tenn., Chattanooga—School Board, Fred B. Frazier, Chmn., awarded contract to Rogers & Leventhal, Chattanooga, at \$27,900, to erect addition to East Fifth St. Grammar School; W. H. Sear and Percy Shepherd, Archts., Chattanooga, Tenn. (Lately noted.)

Tenn., Memphis—School Board let con-

tract to B. E. Buffalo & Co., Memphis, at \$47,748, to erect 12-room addition to Riverside School; reinforced concrete and brick, steel floor joists; McCrory Electric Co., wiring, \$1,159; Mee & Heisler, plumbing, \$7,803; Fischer Heating Co., heating, \$11,513; Hanker F. Ansen, Archt.; All Memphis. (Lately noted.)

Tex., Dallas—Board of Education awarded contract to Harry Crutcher, Dallas, for painting Sunset High School, being erected by A. J. Rife, Dallas, at \$383,602; DeWitt & Lemmon, Archts., Dallas. (Lately noted.)

Va., Blackwood—Blackwood Coal & Coke Co. is reported to have awarded contract to build school. (See Dwellings.)

Va., Lexington—Washington & Lee University, Dr. Henry Louis Smith, Pres., awarded contract to Angle & Moesser, to erect chemical laboratory; cost \$150,000; 3 stories and basement; 135x65 ft., brick and hollow fireproof tile; concrete floor and foundation; steel sash and trim; ventilators; Flournoy & Flournoy, Archts., 1211 Connecticut Ave., Washington, D. C. (Lately noted.)

### Stores

Ark., Little Rock—Coates & Raines awarded contract to Matt Bush & Bros., Little Rock, to erect building at Fourth and Spring St., to be occupied by Crow-Burlingame Hdwe. Co.; 75x140 ft., brick; Wm. Dill, Archt., 605 Boyle Bldg., Little Rock.

Fla., Orlando—Mrs. Marcus Floyd, north Magnolia Ave., will erect 2-story brick building at Court and Pine Sts.; contain 4 store rooms on first floor and 18 offices above; tapestry brick; J. A. Peppercorn, Contr., Orlando.

Fla., St. Petersburg—Ninth Street Improvement Co., Inc., B. T. Boone, Pres., recently organized and incorporated for \$150,000, has let \$75,000 contract to W. Hayes, St. Petersburg, for erection of shop and store rooms on frontage of 100 ft. on Ninth St. south; 1-story, hollow tile and brick.

Mo., St. Louis—W. E. Beckermann, 713 Chestnut St., will erect 1-story store buildings at 4311-13-15-19 Olive St., to cost \$14,500; 71x79 ft., composition roof; Plummer Brothers, Contr., 901 Chestnut St., St. Louis, Mo.

Tex., Ennis—Thad Harrington awarded contract to Lawson & Co., Ennis, at \$14,000, to erect 1-story brick store building.

Tex., Navasota—J. T. Lott awarded contract to M. L. Waller, San Antonio, to erect fireproof buildings on South Washington Ave.; brick and concrete floors and roof, 1 story; 5 stores on Washington Ave. side of block; 2 on Farquhar St. side and 1 on alley near Citizens' National Bank property.

Tex., San Angelo—H. C. Stratton awarded contract to J. A. Barnes at \$10,000 to erect 1-story brick store building on North Chadbourne St.

Tex., San Antonio—Zay Smith awarded contract to Jno. M. Eicholtz, San Antonio, to erect store and apartment building at 328 Garden St.; concrete, frame, tile and stucco construction; sheet metal roof, concrete foundation, cement, concrete and pine flooring, 2 stories, 57x61 ft., hollow tile, metal ceilings, ventilators, ornamental terra cotta, 2 stores on first floor and 4 apartments above; Harvey P. Smith, Archt., 412 National Bank of Commerce Bldg., San Antonio. (Lately noted.)

Tex., Waco—J. M. Nash awarded contract to H. J. Ainsworth, Waco, at cost plus, to erect 1-story brick building at 1015 Austin St., to be occupied by A. Khoury & Son; cost \$20,000; 58½x150 ft., concrete flooring, reinforced concrete foundation, tar and

gravel roof, metal ceilings, metal doors, wire glass, steel sash and trim. (Lately noted.)

W. Va., Wheeling—Stone & Thomas awarded contract to R. R. Kitchen Co., Wheeling, to erect 2-story addition to building on Market St., to cost about \$60,000; structural steel, concrete and brick.

W. Va., Wheeling—Tom Grammen will erect store building at Eleventh and Main Sts., to cost \$18,000; W. H. Fair, Contr.; F. F. Faris, Archt., both Wheeling.

### Theatres

Fla., Pensacola—Saenger Amusement Co., E. M. Clark, Sec. awarded contract to C. H. Turner Co., Pensacola, to erect brick, reinforced concrete and steel theater building on Intendencia St.; Electric Shop, Pensacola, has contract for installation of electric wiring; work will start immediately and be finished in 310 days. (Lately noted.)

### Warehouses

Md., Baltimore—Canton Co., Walter B. Brooks, Pres., 24 Commerce St., contemplate erecting 1-story brick building, S. W. cor. Eastern Ave. and Thirty-seventh Sts.; 72 x 78 ft., cost \$15,000. Owner, Architect and Builder.

Okl., Oklahoma City—First National Bank awarded contract to Stoddard Engineering Co., Oklahoma City, to make repairs and remodel 2-story brick building at 11-13 East Grand Ave.; 50x120 ft., cost \$15,000; tar and gravel roof; Southwestern Electric Co., will install new wiring; B. H. Garman Co., repairs to plumbing; both Oklahoma City. (Lately noted.)

Okl., Okmulgee—Ridenour-Baker Wholesale Grocery Co., has started construction of 1-story warehouse; 75x100 ft.; also plan to erect 2-story office adjacent.

S. C., Gaffney—R. E. Johnson contemplates erection of 1-story warehouse on East Fred-

erick St.; 5 V roofing; 43 x 46 ft.; 2 x 6 pine flooring, frame building, corrugated sides; concrete bases with 3-ft. oak post, 16-in. butts every 6 ft. with sills on top of each post. Day labor.

Tex., San Antonio—Southwestern Bell Telephone Co., awarded contract to Shane & Dickey, 516 First National Bank Bldg., San Antonio, at \$21,714, to erect warehouse at Walnut and Dakato Sts.; 60x150 ft., cement flooring, composition roof, 1 story, reinforced concrete foundation, brick walls, steel trusses; Braden & Hudson, San Antonio, heating, plumbing and electric wiring; L. Harrington & Co., Archts., Houston Bldg., San Antonio. (Lately noted.)

Va., Petersburg—Virginia Trunk & Bag Co. awarded contract to Petersburg Home Building Co., Petersburg, to erect 3-story brick warehouse to cost \$12,500 and be located on Gaurantee St.; 140 ft. long, 39 ft. wide and one end and 57 ft. at other.

## MACHINERY, PROPOSALS AND SUPPLIES WANTED

**Air Compressor.**—D. C. Elphinstone (Mchy. Dealers) 408 Continental Bldg., Baltimore, Md.—One belt driven air compressor, 150 to 250-ft. capacity.

**Air Spray Painting.**—Henry Moore, Jr., 431-433 State National Bank Building, Texarkana, Ark.—In market for portable machine for handling liquid paint such as used by railroads for cars, roundhouses, for use in painting and white washing barns, houses, etc., on plantations in cotton section of South.

**Asphalt Heaters.**—See Road Building Equipment.

**Belting.**—See Electric Fixture Materials.

**Boiler.**—D. C. Elphinstone (Mchy. Dealer) 408 Continental Bldg., Baltimore, Md.—One 50 to 100 h.p. portable horizontal boiler with engine.

**Boilers.**—Post Office Box 978, Norfolk Va.—To purchase two 80 to 100 h.p. locomotive type, stationary boilers to pass inspection for 150 lbs. water pressure, state price, make condition and location for inspection.

**Bridge.**—City of Norfolk, Va.—Details under Construction News—Bridges, Culverts, Viaducts.

**Brooms.**—G. D. Wingfield, Bedford, Va.—Names and addresses broom manufacturing machine companies.

**Building Material.**—Jas. Stewart & Co., Inc., 402 Keyser Bldg., Baltimore, Md., is estimating on construction of Royal Italian Embassy, 16th and Fuller Sts., Washington, D. C., and desires estimates until Feb. 11 on all work, including alternates.

**Calcium Arsenate Dusting Devices.**—See Guns (Dusting).

**Cars (Mine).**—Mills Equipment Corp., Chattanooga, Tenn.—Thirty or thirty-five 36-in. gauge 1-ton capacity mine cars, give complete specifications.

**Cartons (Paper, Shipping).**—See Electric Fixture Materials.

**Can Washer.**—See Pastuerizing Equipment.

**Cooler Room.**—See Pastuerizing Equipment.

**Concrete Mixer.**—Paul F. Witherspoon, Little Rock, Ark.—Small concrete mixer.

**Corks.**—W. Disney Cole, 2811 Third Ave., Richmond, Va.—To purchase corks to use as stopper and handle with wood caps furnished separately.

**Corrugated Iron Bending Rolls.**—E. C. Grace, National Bottled Drink Cooler Co., Mobile, Ala.—To purchase set of bending

rolls to bend 22 gauge or lighter galvanized sheets, corrugated, into U shaped forms, with three in. corrugations.

**Crusher (Rock).**—Eagle Engineering Co., (Civils Engrs.) New Bern, N. C.—To purchase second-hand jaw rock crusher with capacity of 30 tons per hr. minimum, and with opening of approximately 5 to 30-in.

**Gang Saw.**—See Saw Mill Equipment.

**Crane.**—Mallory Machinery Corp., (Mchy. Dealers), 522 Light St., Baltimore, Md.—One 20, 25, 30 ton 8-wheel standard gauge crane, must have A. S. M. E. boiler; good condition.

**Cutter (Paper).**—See Printing Plant Equipment.

**Denim.**—Depot Quartermaster, U. S. M. C., 1100 South Broad St., Philadelphia, Pa.—Receives bids until Feb. 20 for 100,000 yds. blue, shrunk denim in accordance with Navy Department specifications.

**Drainage.**—Matthews Bayou Drainage Dist., Charleston, Miss. Details under Construction News—Drainage News—Drainage and Irrigation.

**Drainage.**—Ark., Walnut Ridge.—Details under Construction News—Drainage and Irrigation.

**Drainage Canals.**—City of Bartow, Fla.—Details under construction News—Drainage and Irrigation.

**Dredge.**—Ellington Sugars, Inc., Room 1126, Whitney-Central Building, New Orleans, La., Crawler type dredge to handle orange peel dipper half to three quarter yards, dredge to be operated by steam or fuel oil. Will take dredge with or without dipper.

**Drilling (Oil) Machinery.**—J. M. Windham, Carnesville, Ga.—To purchase oil well drilling machinery, to correspond with contractors or dealers.

**Electric Fixture Materials.**—National Fixture Co., Columbia, S. C.—To purchase felt, glue, belting, plating outfit, paper boxes, setup and also folding, paper shipping cartons, tissue wrapping paper, cold rolled steel, brass, etc. in strips and sheets, cold rolled wire in lengths, also consider used nickle plating outfit in good condition; and outfit for finishing in gun metal and oxidizing.

**Engine.**—D. C. Elphinstone (Mchy. Dealers) 408 Continental Bldg., Baltimore, Md.—To purchase gasoline driven, single drum hoisting engine, 3000 to 5000 lbs. capacity, state location, make, etc.

**Felt.**—See Electric Fixture Materials.

**Felt.**—W. Disney Cole, 2811 Third Ave., Richmond, Va.—To purchase cotton and wool, white and colored felt in strips and cut.

**Floor Hardener (Concrete).**—Ramsey-Dean Co., Inc., State Bank Bldg., Orlando, Fla.—Information on concrete floor hardener.

**Grade Raising.**—City of Galveston, Tex.—Details under Construction News—Road and Street Construction.

**Graders.**—See Road Building Equipment.

**Grading.**—City of Baltimore, Md.—Details under Construction News—Road and Street Construction.

**Grinding (Cutlery) Machine.**—A. W. Lusebrink, 115 Main St., Irwin, Pa.—Data and prices on machine for grinding cutlery, etc.

**Guns (Dusting).**—Z. J. Carter & Son, Wallace, N. C.—To correspond with manufacturers of guns for dusting calcium arsenate on cotton and other plants.

**Handle (Broom, Mop) Machinery.**—Parsons Lumber Co., Abbeville, Ga.—To correspond with manufacturers of machinery to make brooms, mops and hoe handles.

**Handles (Wood) Umbrella.**—C. W. Mayberry, Taylorsville, N. C.—To correspond with manufacturers of wood handles for umbrellas.

**Heating and Ventilating.**—Mankin Lumber Co., Oak Hill, W. Va.—Sub bids on hot air heating and ventilating for church, 40x78.3-ft.

**Hoists (Steam and Electric).**—Mallory Machinery Corp., (Mchy. Dealers), 522 Light St., Baltimore, Md.—Two drum and swinger or 3 drum steam hoist and 2 drum and swinger or 3 drum electric hoist; with not less than 50 h.p., A.C. motors.

**Holding Vats.**—See Pastuerizing Equipment.

**Ice Machine.**—G. T. Heard, Brooksville, Miss.—To purchase four ton ice machine, new or first class second hand.

**Ice Plant Machinery.**—Forest City Oil Mill Co., J. E. Lipscomb, Mgr., Forest City, N. C.—Prices on new and used machinery for 10-ton capacity ice plant.

**Iron Castings.**—A-B-Accessory Co., Wichita Falls, Texas.—Quotations on 5/8 in. 3/4 in.; 3/16 in. round soft iron and quantity prices on gray iron castings, casting weighing approximately one pound.

**Locomotive.**—D. C. Elphinstone (Mchy. Dealer) 408 Continental Bldg., Baltimore,



Md.—One Shay geared 36-in. gauge, 12 to 8-ton locomotive.

**Log Skidder and Loader.**—Tar River Lumber Co., Rocky Mount, N. C.—Log skidder and loader geared to handle itself on track, double drum, with or without boom.

**Lumber.**—Board of Awards, F. A. Dolfield, Register, City Hall, Baltimore, Md.—Bids until Feb. 13 for lumber for the general purposes in the Highways Engineering Dept., during the year 1924; Bernard L. Crozier, Highways Engr.

**Miscellaneous Supplies.**—Panama Canal, A. L. Flint, General Purchasing Officer, Washington, D. C.—Bids until Feb. 9 to furnish: Steel; iron; bronze; brass rods; copper tubing; mome metal; nails; spikes; circular saws; blocks (tackle, snatch and hoist); gauges, (steam, air, water and oil); forges; glass; lavatories sprayers; clocks; belting; hose, etc. Blank forms and information (Circular 2344) on application to offices of Panama Canal; Asst. Purchasing Agents at Fort Mason, San Francisco, Cal.

**Miscellaneous Supplies.**—Panama Canal, A. L. Flint, Gen. Purchasing Officer, Washington, D. C.—Bids until Feb. 14 to furnish: Electrical fixtures and supplies; brass tubing; drill chucks; end mills; hacksaw blades; copper nails; steam traps; engine governors; soldering irons; stirrups; perforating machines; machines; pencil sharpeners; goggles; packing; lace leather; sheet graphite; duck cloth, etc. Blank forms and information (Circular 2345) on application to offices of Panama Canal; Asst. Purchasing Agents at Fort Mason, San Francisco, Cal.

**Motor (Electric).**—D. C. Elphinstone (Mchy. Dealer) 408 Continental Bldg., Baltimore, Md.—25 h.p. electric motor, 3 phase, 60 cycle, 440 volts.

**Moulder.**—R. S. Armstrong and Brother Co., (Mchy. Dealers) Atlanta, Ga.—Four side moulder adaptable to general work, 4 to 6-in., prefer all iron machine; good operating condition state price, location, etc.

**Nickle Plating Outfit.**—National Fixture Co., Columbia, S. C.—Second-hand nickle plating outfit, good condition.

**Oxidizing Outfit, etc.**—National Fixture Co., Columbia, S. C.—Outfit for finishing in gun metal and oxidizing.

**Pastuerizing Equipment.**—L. S. Kleinschmidt, 2014 Frederick Ave., St. Joseph, Mo.—Prices on 10-ton ice machinery cooler room; 1000 gal. holding vats; milk pastuerizing; milk cooler and can washer.

**Paving.**—City of Baltimore, Md.—Details under Construction News—Road and Street Construction.

**Paving, etc.**—City of Bethany, Mo.—Details under Construction News—Road and Street Construction.

**Paving, etc.**—State Highway Comm., Oklahoma City, Okla.—Details under Construction News—Road and Street Construction.

**Paving, Etc.**—City of Huntington, W. Va.—Details under Construction News—Road and Street Construction.

**Paving, etc.**—City of Mobile, Ala.—Details under Construction News—Road and Street Construction.

**Paving.**—City of Selma, Ala.—Details under Construction News—Road and Street Construction.

**Pipe Threading Machine.**—Sabel & Rothschild (Mchy. Dealers) 824 W. Bay St., Jacksonville, Fla.—To purchase pipe threading machine from 1 to 8-in.

**Planer Plant.**—See Saw Mill Equipment.

**Flows.**—See Road Building Equipment.

**Portland Cement.**—U. S. Engineer Office, Milwaukee, Wis.—Bids until Feb. 20 to furnish Portland cement at Milwaukee.

**Printing Plant Equipment.**—Darby Print

Shop, 148 Evansville St., Evansville, Ind.—Prices on one 10x15 belt driven job press and two belt driven paper cutters.

**Pulleys and Shafting.**—Alabama Clay Products Co., 600-614 Farley Bldg., Birmingham, Ala.—Prices on new and second-hand cast iron split and solid pulleys, wood split and cast steel pulleys; C. R. shafting and other transmission machinery for Ensley plans construction; some two dozen pulleys needed of various sizes, flange couplings, etc.

**Pulverizing (Tobacco) Machine.**—R. S. Armstrong & Brother Co. (Mchy. Dealers) Atlanta, Ga.—Machine for grinding tobacco into powder, state condition and location.

**Road Building Equipment.**—State Board of Control, R. B. Walthall, Purchasing Div., Austin, Tex.—Bids until Feb. 19 for the following maintenance equipment: eight 10-ton and fifteen 5-ton crawler type tractors with or without cabs; forty 2-ton tractors; 30-in. operated power maintainers with or without traction wheels, rubber tired; ten 300-gal. and ten 110-gal. asphalt heaters; 10 gasoline pavement heaters; forty 7-ft. graders with extension blades; forty 6 to 6½-ft. graders, two-horse patrol with two extra bits; twenty 8-ft. eight 12-ft. graders with scarifying attachments, extension blades, back sloper, engine hotch complete and two extra bits; thirty 1-ton and thirty 2-ton trucks with cab, pneumatic tires, bid to be made on chassis, one 1 and one 2-cu. yd. steel gravity dump body and cargo body; one hundred 4-ft., 3 horse fresnos complete one hundred 5 to 7 cu. ft. slip scrapers with runners; fifty 4-horse all steel road plows complete; and eight heavy duty plows with tractor hitch; eight 5-ton low suspension rubber tires, four wheels auto trailers.

**Rails.**—R. S. Armstrong & B. or Co., (Mchy. Dealers) Atlanta, Ga.—To purchase 7 mi. of 20 lb. rails; good condition.

**Road.**—Galveston County, Galveston, Tex.—Details under Construction News—Road and Street Construction.

**Roads.**—Hunt County, Greenville, Tex.—Details under Construction News—Road and Street Construction.

**Road.**—Mingo County, Williamson, W. Va.—Details under Construction News—Road and Street Construction.

**Road.**—Morris County, Daingerfield, Tex.—Details under Construction News—Road and Street Construction.

**Road.**—Starr County, Riogrande, Tex., will build 2 roads. Details under Construction News—Road and Street Construction.

**Road.**—State Highway Comm., Montgomery, Ala., will build 2 sections of road Details under Construction News—Road and Street Construction.

**Saw Mill Equipment.**—Corley Brother, Columbia, S. C.—Prices on 8-ft. band mill complete; gang saw; two fast feed planers; two band resaws and planer plant.

**Scales.**—L. S. Kleinschmidt, 2014 Frederick Ave., St. Joseph, Mo.—Prices on overhead milk receiving scales.

**Scales (Railroad Track).**—Jackson Brothers Co., Fayetteville, N. C.—To correspond with manufacturers of railroad track scales.

**Sewer Construction.**—City of Edenton, N. C.—Details under Construction News—Sewer Construction.

**Sewer Construction.**—City of Russellville, Ala.—Details under Construction News—Sewer Construction.

**Shafting.**—See Pulleys and Shafting.

**Steel (Cold Rolled).**—See Electric Fixture Materials.

**Steel Buildings (Garage).**—Virginia Motor Co., Chatham, Va.—Prices on steel buildings suitable for garages.

**Steel Building.**—The Loreauville Sugar Co., Loreauville, La.—To purchase second-hand steel building, suitable for boiler shed, 50 to 60-ft. wide by 100 to 120-ft. long and 25 to 35-ft. high.

**Steel Chute.**—W. L. Duncan, 347 Arcade Bldg., Norfolk, Va.—To correspond with manufacturers of steel chutes made of steel strips for handling boxes, bales, etc., from sidewalk to basement.

**Steel Finishing Plates.**—Washington Electrototype Co., 923 11th St., N. W. Washington, D. C.—Prices on steel finishing plates or slabs, 16x24x1-in.

**Steel Reinforcing Bars.**—U. S. Engineer Office, Milwaukee, Wis.—Bids until Feb. 20 to furnish steel reinforcing bars at Milwaukee.

**Steel Wire.**—W. Disney Cole, 2811 Third Ave., Richmond, Va.—To purchase 14, 15 and 16 gauge steel wire, tin plated and coppered.

**Stone.**—U. S. Engineer Office, 216 New Post Office Bldg., Portland, Ore.—Bids until Feb. 14 to furnish stone for construction of the north and south jetties at the entrance of Coos Bay, Oregon.

**Street Cleaner.**—W. I. Baker, Mayor, Nacogdoches, Tex.—Data and prices on street cleaner.

**Storm Sewers.**—City of Mobile, Ala.—Details under Construction News—Sewer Construction.

**Stone (Artificial).**—W. L. Stevens, Rourich Construction Co., 405 Louisiana Bldg., New Orleans, La.—To correspond with manufacturers of artificial stone; prefer manufacturers near New Orleans.

**Sulphate of Ammonia.**—The World Supply Co., 81 Connaught Road West, Hongkong, China.—To correspond with manufacturers of sulphate of ammonia for fertilizer purposes.

**Tile.**—J. F. Blunt, 403 Scott St., Bluefield, W. Va.—Names and addresses of manufacturers of cork tile and the composition tile and rubber tile.

**Tire Handling and Repair Equipment.**—Vaughn Auto Supply Co., B. M. Vaughn, Mgr., 3416 Louisiana St., Houston, Tex.—Prices on tire handling and repair equipment for retail and wholesale tire business.

**Tractors.**—See Road Building Equipment.

**Valves and Hydrants.**—Dept. of Public Utilities, Room 111, City Hall, Richmond, Va.—Bids until Feb. 8 to furnish forty 3-nozzle fire hydrants; fifteen 4-in., sixty 6-in., six 12-in. gate valves; one 30-in. gate valve with bevel gearing.

**Wire (Cold Rolled).**—See Electric Fixture Materials.

**Wood Printing Press.**—C. M. Wall & Son, Lexington, N. C.—In market for wood printing press for box plant; double cylinder to print in two colors at same time.

**Woodworking Machinery.**—Dr. S. S. Hutchinson, Bladenboro, N. C.—Names and addresses of manufacturers of barrel staves, crates and lathes.

## Financial News

### New Financial Corporations

Ala., Fairfield—D. W. Waite, Pell City, F. D. McArthur, Birmingham, E. P. Rosamond, Tarrant City, interested in establishing bank, with \$50,000 capital.

Ark., Little Rock—Savings Building & Loan Assn., 123 W. 2nd St., capital \$10,000,000, organized with J. D. Eldridge, Pres.; Sam T. Harris, Mgr.

D. C., Washington—National Capital Mortgage Co., capital \$1,250,000, incorporated by H. C. Maddux, F. R. Williams, J. F. Dickman.

Fla., Fellsmere—E. L. Price, Pres., Fort Pierce Bank & Trust Co., Fort Pierce, Fla., interested in establishing bank in Fellsmere.

Ga., Augusta—Southern Finance Corp., capital \$30,000, incorporated by P. V. Hollingsworth, Grover C. Maxwell, Herbert C. Lorick, and others.

Ga., Augusta—T. A. Ausley Co., Inc., capital \$25,000, incorporated by T. A. Ausley, N. J. Boatwright, and others.

Md., Baltimore—East Fayette Street Loan & Building Assn., Inc., 1319 E. Fayette St., capital \$50,000, incorporated by Irwin M. Galvansky, Morris Goldstein and others.

Ky., Louisa—Big Sandy Building Assn., capital \$100,000 incorporated by G. R. Burgess, H. H. Queen and others.

Md., Baltimore—Beacon Permanent Building & Loan Assn., 409 Title Bldg., capital \$500,000, incorporated by Jack Lewis, Theodore Meverowitz and others.

Md., Baltimore—City Finance Co., Inc., 110 Equitable Bldg., chartered by Jacob I. Hamburger, Ruben H. Glaser and others.

Md., Baltimore—Climax Building & Loan Assn., 4707 Eastern Ave., capital \$500,000, incorporated by Maurice J. Bloom, Phillip Schwartzman and others.

Md., Baltimore—Golden Seal Building & Loan Assn., Inc., 10 E. Fayette St., capital \$170,000 chartered by Edw. S. Hampson, Edwin C. Trehan and others.

Md., Baltimore—First National chartered with T. Garland Tinsley, Pres., Maryland Casualty Bldg., paid in capital \$250,000, authorized \$1,000,000.

Md., Baltimore—Hambleton & Co., 10 S. Calvert St., plans incorporation, with T. Edward Hambleton, Pres.

Md., Baltimore—Iroquois Building and Loan Assn., Inc., 649 Washington Bldg., capital \$300,000, chartered by Charles T. Tiemeyer, Ernest F. Proffen and others.

Md., Baltimore—Regional Building & Loan Assn., Inc., 1410 E. Fayette St., capital \$100,000, incorporated by Aaron Neuman, Benjamin Cohen and others.

Md., Baltimore—J. William Middendorf & Sons, 26 South St., organized by J. Wm. Middendorf, Sr., J. Wm. Middendorf, Jr., 109 E. Redwood St., and Henry Middendorf.

Md., Baltimore—Workman's Mutual Building & Loan Assn., Inc., 215 St. Paul Place capital \$250,000, chartered by Benjamin Zimmer, I. Harold Hammerman and others.

Md., Salisbury—Mardelvia Finance Corp., capital \$37,500, organized with Harry C. Adkins, Pres.; Herman W. Murrell, Sec.-Treas. (Lately noted.)

Mo., St. Louis—Ideal Loan Co., capital \$7500, incorporated by M. K. Paskal, Carl Lott and others.

Mo., Springfield—E. L. Sanford, interested in reorganizing Holland Banking Co.

N. C., Asheville—Commerce Union Trust Co., 11 Church St., sub-capital \$250,000, incorporated with J. G. Adams, Pres.; Wm. M. Redwood, Sec. (Lately noted.)

N. C. Danville—Tobacco Growers Co-Operative Marketing Assn., interested in establishing bank. Address J. R. Haymes, Richmond, Va.

N. C., Rocky Mount—First Banking Trust Co., capital \$50,000, incorporated with Jos. B. Ramsey, Pres.; W. M. Spears, Sec.

Okla., Sayre—American National Bank of Sayre, capital \$25,000 incorporated with E. B. Dugger, Pres.; E. L. Cupps, Cashier; conversion of American Exchange Bank.

Tenn., Franklin—Franklin Trust Co., capital \$25,000, organized with James W. Moran, Pres.; E. E. Green, Cashier. (Lately noted.)

Tenn., Memphis—Cosmopolitan Life Insurance Co., capital \$100,000, incorporated with H. W. Durham, Pres.; R. E. Manogue, Sec.; purchased business of Cotton State Life Co.

Tex., Austin—Fidelity Mortgage Co., capital \$40,000, incorporated with A. W. Wilkerson, Pres.; Fred C. Morse, V.-P., and Sec.

Tex., Barry—First National Bank of Barry, plans organizing with \$25,000 capital; J. A. Watson, Correspondent, Barry.

Tex., El Paso—National Border Bank of El Paso, capital \$200,000, incorporated with Crawford Harvie, Pres.; J. Harry Henderson, Cashier; consolidated with Border National Bank.

Tex., Houston—Bankers Building & Loan Assn., Box 27, Central Park Sta., capital \$5,000,000, organized with S. D. Shimpson, Pres.; F. P. Goff, Sec.

Tex., Laredo—Laredo Finance Co., capital \$20,000, incorporated by A. B. Walker, D. A. Morrow and others.

Va., Alexandria—Wardman Mortgage & Discount Corp., incorporated with Howard A. Burns, Pres.; Phillip Ershler, Sec., both Washington, D. C.

Va., Norton—Fulton Insurance Agency, capital \$15,000 incorporated with Claude M. Fulton, Pres.; W. R. Seaver, Sec.

Va., Staunton—Central Title & Trust Co., capital \$50,000, incorporated with C. R. Caldwell, Pres.; B. Lee Kagay, Sec.

W. Va., Huntington—Ketter Brokerage Co., capital \$25,000, incorporated by Gladys W. Ketter, F. M. Burt and others.

W. Va., Rainelle—First National Bank of East Rainelle, capital \$25,000, incorporated; C. H. Thompson, Pres.; Ronceverte National Bank, Ronceverte, interested.

### New Securities

Ala., Fairfield—Street Improvement—City will receive bids until Feb. 21 for \$635,000, 6%, \$1000 denom. bonds; M. W. Pratt, Mayor.

Fla., Arcadia—Road and Jail—De Soto County has postponed \$280,000 bond election; B. Vance, County Auditor. (Lately noted to vote Feb. 2.)

Fla., Clearwater—Gas Plant—City contemplates \$150,000 bond issue. Address The Mayor.

Fla., Coconut Grove—Water Plant—City contemplates \$200,000 bond issue; Harold de B. Justison, Mayor.

Fla., De Land—Improvements—Atlantic National Bank of Jacksonville, Fla., purchased \$200,000, 6% bonds at \$202,720, with accrued interest.

Fla., Hastings—Sewer Improvement—Town will soon sell \$10,000, interest bearing time warrants; C. W. Maltby, Clk.

Fla., Lakeland—Municipal Improvements—City will vote March 4 on \$850,000 bonds, including \$300,000 for hospital and equipment; \$200,000 for city hall; \$75,000 for library; \$63,000, athletic field; \$55,000, jail and fire station; \$40,000, abattoir; \$15,000, cemetery; \$10,000, incinerator; \$10,000, to improve lake shores. Address The Mayor.

Fla., Miami Beach—School—C. W. McNear & Co., Chicago, Ill., purchased \$350,000 bonds at premium of \$28,500.

Fla., Miami Beach Sta., Miami, Fla.—Municipal Improvements—City will vote Feb. 19 on \$307,000 bonds. Address The Mayor. (Lately noted to vote Jan. 21.)

Fla., Milton—Road and Bridge—Santa Rosa County Special Road and Bridge Dist. No. 3, will receive bids until Feb. 12 for \$50,000, 6%, \$1000 denom. bonds; T. W. Jones, Clk. Circuit Court.

Fla., Milton—School—Springfield Consolidated Special Tax School Dist. No. 5-B, J. S. Cox, Chmn. Board of Public Instruction, will receive bids until Feb 13 for \$150,000, 6%, \$500 denom. bonds.

Fla., Orlando—Water-Works and Electric Light—Caldwell & Co., Nashville, Tenn., purchased \$525,000, 5½% bonds at \$544,425. Archt. & Contr., Morris Building.

Fla., Orlando—Fire Station—City, J. A. Stinson, Clk., will vote Feb. 12 on \$20,000 bonds.

Fla., Sanford—Water-works—City, George A. Decottes, Attorney, will receive bids until March 10 for \$375,000 bonds.

Fla., Sarasota—Road and Bridge—Sarasota County voted \$590,000 bonds. Address County Commrs. (Lately noted.)

Fla., Umatilla—Water-works and Electric Light Improvements—Florida National Bank and G. B. Sawyer Co., Jacksonville, Fla., purchased \$45,000 6% bonds, at \$45,650.

Fla., West Palm Beach—Auditorium, Pier—City will postpone \$200,000 bond election. Address City Commrs.

Ga., Camilla—Road—Mitchell County will receive bids until Feb. 12 for \$100,000 5% bonds; W. B. Nevels, Clk. of Commrs.

Ga., Dallas—Water-Works and Sewer—J. H. Hillsman & Co., Atlanta, purchased \$28,000, 6%, \$500 denom. bonds.

Ga., Macon—Sewers, Paving, Bridge—City, J. E. Yates, Mayor pro tem, has tentative plan for submission of \$500,000 bond issue, as follows: Sanitary and storm sewers, and drainage, \$225,000; paving, \$125,000; bridge, \$150,000.

Ky., Whitesburg—Road—Letcher County will vote March 15 on \$210,000 bonds. Address County Commrs. (Lately noted.)

La., De Ridder—Road and Bridge—Beauregard Parish, Ward Seven, sold \$120,000 6% bonds to Interstate Trust & Banking Co., New Orleans, at par, accrued interest and \$15 premium.

La., Houma—Road—Terrebonne Parish, Police Jury, Dist. No. 7, will receive bids until Feb. 13 for \$35,000, 6% bonds; J. L. Caillouet, Pres.

Md., Annapolis—Electric—Annapolis & Chesapeake Bay Power Co., is offering for sale \$800,000 first mortgage gold bonds.

Md., Ellicott City—School—Howard County contemplates \$180,000 bond issue. Address County Commrs.

N. C., Murphy—Road—Cherokee County, Board of Commrs., will receive bids until March 3 for \$25,000 bonds. Address D. H. Tillit, Clk., or A. M. Simonds.

Md., Towson—School—George M. Kimberly, Frederick Road and Bellegrove Aves., Catonsville, president of Catonsville Improvement Assn., interested in \$1,500,000 bond issue for Baltimore County.

Miss., Ellisville—School—City and Jones County contemplate \$100,000 bond issue; C. W. Jenkins, Supt. of Education in Jones County.

Miss., Meridian—School—City will vote Feb. 25 on \$500,000 bonds. Address The Mayor.

Mo., Hartsburg—Drainage—Hartsburg Drainage Dist. Board of Supvrs., plans selling \$12,000 bonds.

(Continued on Page 154).





**West St. Louis, Mo.**

*Above: Removing 12 in. bell and spigot pipe after 19 years' service. This pipe is being hauled directly to another street where it is being re-laid.*

*Right: Replacing with 24 in. pipe.*



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What will become of your distribution system? When increased population requires larger mains there are two alternatives. If your system consists of some substitute for cast iron pipe you must discard the present installation. This means that your initial investment is entirely wasted. But if you have wisely installed cast iron pipe with bell and spigot joints you can remove it and replace with pipe of a larger capacity. The pipe which you take out can be relaid in a less congested district; it is still good for centuries of service.

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Dallas, Tex.: Magnolia Bldg.  
Birmingham: 1002 American Trust Bldg.  
Kansas City, Mo.: Interstate Bldg.

Minneapolis: Plymouth Bldg.  
Cleveland: 1150 E. 26th St.  
Buffalo: 957 E. Ferry St.  
San Francisco: Monadnock Bldg.

Mo., St. Louis—Water-Works—City sold \$200,000 5% bonds to Smith Moore & Co., Mercantile Trust Co., W. R. Compton & Co., Mississippi Valley Trust Co., and First National Co., all St. Louis, at \$1020.89.

Mo., Thayer—Water and Ice Plant—Little & Moore, St. Louis, Mo., purchased \$75,000 bonds at fraction over \$1 per hundred premium, with accrued interest from date to delivery.

N. C., Greensboro—Street Improvement, Water and Sewer, Municipal Building—City will receive bids Feb. 19 for \$1,400,000, 5% or 5½% gold bonds, including \$550,000 street, \$700,000 water and sewer and \$200,000 municipal building; E. G. Sherrill, City Clk.

N. C., Jefferson—Water and Sewer—Town contemplates \$25,000 bond issue; H. C. Tucker, Mayor.

N. C., Kinston—College—Rev. Lee McBride White, pastor of First Baptist Church, will sell \$750,000, 6%, \$100, \$500 and \$1000 denom. bond issues for Meredith College.

N. C., Rutherfordton—School—Rutherford County voted \$200,000 bonds. Address County Boards of Education and Commrs. (Lately noted.)

N. C., Wadesborough—Street Improvement—Board of Commrs., will receive bids until Feb. 15 for \$275,000 bonds; L. D. Rivers, Town Clk.

Okla., Apperson—Sewer, Water—City will vote Feb. 15 on \$130,000 bonds, including \$85,000 for water, and \$45,000 for sewers. Address The Mayor.

Okla., Elmore City—School—City voted \$23,500 bonds. Address The Mayor.

S. C., Bennettsville—Paving—City, L. C. McArthur, Clk., will receive bids until Feb. 15 for \$80,000 bonds.

Tenn., Lewisburg—Water-Works—Caldwell & Co., and American National Bank, Nashville, Tenn., purchased \$150,000 bonds, at \$4.05.

Tex., Albany—Road—Shackelford County, Richard Dyess, County Judge, will vote March 1 on \$500,000 bonds.

Tex., Anson—Road—Jones County Commrs. Court, will vote March 8 on \$600,000 bonds; J. F. Lindsey, County Judge.

Tex., Austin—Filtration Plant, School, Incinerator—Texas Bank & Trust Co., Sam Sparks, Pres., Austin, Tex., purchased following bonds at 101% of par: Filtration plant, \$300,000; school, 500,000; incinerator, \$50,000; W. D. Yett, Mayor.

Tex., Brenham—Water-Works—City voted \$25,000 bonds; A. A. Hacker, Mayor.

Tex., Carthage—Water—Guaranty State Bank of Carthage, purchased \$10,000 6% bonds at par.

Tex., Crockett—Road—Houston County, Lovelady Dist., will sell \$25,000 bonds. Address County Commrs.

Tex., Edna—Road—Jackson County contemplates \$500,000 bond issue; Capt. Schlafl, Dist. State Engr.

Tex., Falfurrias—Road—Brooks County will vote in Feb. on \$250,000 bonds. Address County Commrs.

Tex., Floresville—Road—First National Bank, and City National Bank of Floresville, purchased \$315,000 bonds at par with accrued interest.

Tex., Hillsboro—Road—Hill County, Malone Dist., will vote Feb. 19 on \$150,000 bonds. Address County Commrs. (Lately noted.)

Tex., Jourdan—Road—Atascosa Coun-

ty will vote March 1 on \$930,000 bonds; Hugh H. Martin, County Commr.

Tex., Kaufman—Road—Kaufman County, Sourry and Rosser Dists., voted \$25,000 bonds. W. P. Williams, County Judge.

Tex., Lockney—School—Southwestern Securities Co., Amarillo, Tex., purchased \$35,000, 6% bonds at par with accrued interest.

Tex., Mart—Water—City, Alma Patrick, Sec., will receive bids until Feb. 20 for \$150,000 5½% bonds.

Tex., Ranger—Water Works—City will receive bids in Feb. for \$190,000 6% bonds; R. H. Hodges, Mayor. (Lately noted voted bonds.)

Tex., Robstown—School—Sutherland & Barry Co., New Orleans, La., purchased \$100,000, 5½% bonds at premium of \$105.

Tex., Sinton—Road and Bridge—San Patricio County, Mathis Dist., will vote on \$70,000 bonds. Address County Commrs.

Tex., Slaton—School—Stern Bros., Kansas City, Mo., purchased \$125,000, 6% bonds, at premium of \$8500.

Tex., Waco—Sewage Disposal, Sanitary Sewer and School Gymnasium—City plans purchasing \$485,000 bonds, including \$350,000 for sewage disposal, \$75,000 for sanitary sewers, and \$60,000 for schools; Geo. D. Field, Sec.

Va., Big Stone Gap—Water—Well, Roth & Irving Co., Cincinnati, Ohio, purchased \$38,000, 5% bonds at premium of \$5.

Va., Chatham—Water—Town sold \$50,000 bonds to Braun Bosworth Co., Toledo, Ohio, at \$49,500.

Va., Charlottesville—Water Improvement—Redmond & Co., New York, purchased \$500,000 bonds at \$508,250.

Va., Danville—School Indebtedness—Pittsylvania County School Board will issue \$200,000, 6% bonds.

Va., Pulaski—School—Caldwell & Co., Nashville, Tenn., purchased \$75,000 5½% bonds at premium of \$1525. (Lately noted.)

W. Va., Mannington—School—City will vote Mar. 4 on \$200,000 bonds. Address The Mayor.

## Financial Notes

Danville Perpetual Building Loan & Savings Co., Danville, Va., increased capital from \$100,000 to \$200,000.

Chesapeake Bank, North Ave. and Ellamont St., Baltimore, Md., will establish branch bank in Raith Building, recently acquired; Wallace L. Saumenig, Mgr.

Clifford C. Hatcher Insurance Agency, Atlanta, Ga., changed name to Dargan, Venable & Hatcher Co.

Community Savings & Loan Co., 1224 Chapline St., Wheeling, W. Va., will increase capital from \$550,000 to \$700,000.

Equitable Finance Corporation, Kingsbury, Tex., increased capital from \$100,000 to \$200,000.

Guarantee Savings & Loan Assn., Springfield, Mo., plans increasing capital from \$2,000,000 to \$3,000,000; W. L. Garrett, Pres.; S. T. Graham, Sec.

Jefferson County Building & Loan Assn., Birmingham, Ala., increased capital from \$3,000,000 to \$4,000,000; F. M. Jackson, Pres.

Industrial Building & Loan Association, Tulsa, Okla., increased capital from \$1,000,000 to \$1,250,000.

Maury and Donnelly-Williams Co., Donnelly Bldg., Commerce and Water Sts., and Parr & Parr, 219 E. Redwood; all Baltimore, Md., will unite forming Maury, Don-

nelly, Williams & Parr; Wm. J. Donnelly, Howard T. Williams, Ral Parr, Henry A. Parr, Jr., and O. U. Michaels, members of the new firm.

Mutual Deposit & Loan Assn., San Antonio, Tex., increased capital from \$5,000,000 to \$10,000,000.

San Antonio Building & Loan Assn., San Antonio, Tex., increased capital to \$10,000,000; Franz C. Groos, Pres. W. W. McAllister, Sec.-Mgr.

Security Life Insurance Co., of America, 704 Mutual Bldg., Richmond, Va., plans increasing capital from \$220,000 to \$250,000; O. W. Johnson, Pres.

Southern Life & Trust Co., Greensboro, N. C., capital over \$1,000,000; changed name to Pilot Life Insurance Co.; A. W. McAllister Pres.; Arthur Watt, Sec.

States Finances & Brokerage Co., Charleston, W. Va., increased capital from \$100,000 to \$200,000.

Union City Savings & Loan Assn., Union City, Tenn., increased capital from \$490,000 to \$750,000.

Williamson Loan & Investment Co., Williamson, W. Va., increased capital from \$25,000 to \$50,000.

## Trade Literature

### Perkin Medal Awarded.

Frederick M. Becket, chief metallurgist of the Electro Metallurgical Co., and vice-president of the Union Carbide and Carbon Research Laboratories, Inc., (both subsidiaries of the Union Carbide and Carbon Corporation), was awarded the Perkin Medal of the Society of Chemical Industry on January 11, 1924, for his achievements in the field of applied chemistry.

### Stokers, Pressure Regulators, Etc.

The Stoker Department of the Westinghouse Electric & Manufacturing Co., South Philadelphia Works, South Philadelphia, Pa., reports recent sales of products, including stokers and pressure regulators, to the Pennsylvania Railroad, Altoona, Pa.; the City of Kansas City, Kan.; the Perry Knitting Co., Perry, N. Y., and the United Presbyterian Board of Publication, Pittsburgh, Pa.

### Order for Electrical Equipment.

The Tennessee Electric Power Co., which serves Nashville, Chattanooga and Knoxville, Tenn., and adjacent territory, recently ordered from the Westinghouse Electric & Manufacturing Co., of Pittsburgh, a 15,000 kva. transformer, a 9375 kva. transformer, three 2000 kva. transformers and one 7500 kva. synchronous condenser. The transformers will be used to take care of additional loads on the system and the condenser will be used to improve the power factor at Chattanooga.

### Stoker Uses Wood Refuse.

The Laclede-Christy Products Co., St. Louis, Mo., has just completed the installation of an 800 horsepower Stowe stoker at the plant of the Fisher Body Corporation, Detroit, Mich. Under normal operating conditions this installation burns hogged wood refuse exclusively, but it can be used for burning coal without change in mechanism. On wood refuse, it is state, this unit has shown for short periods 250 per cent of boiler rating, which is extremely high for such fuel. This type of stoker is intended for forced draft service at central stations and large power plants. It is also built in small units where high efficiencies are required.

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned



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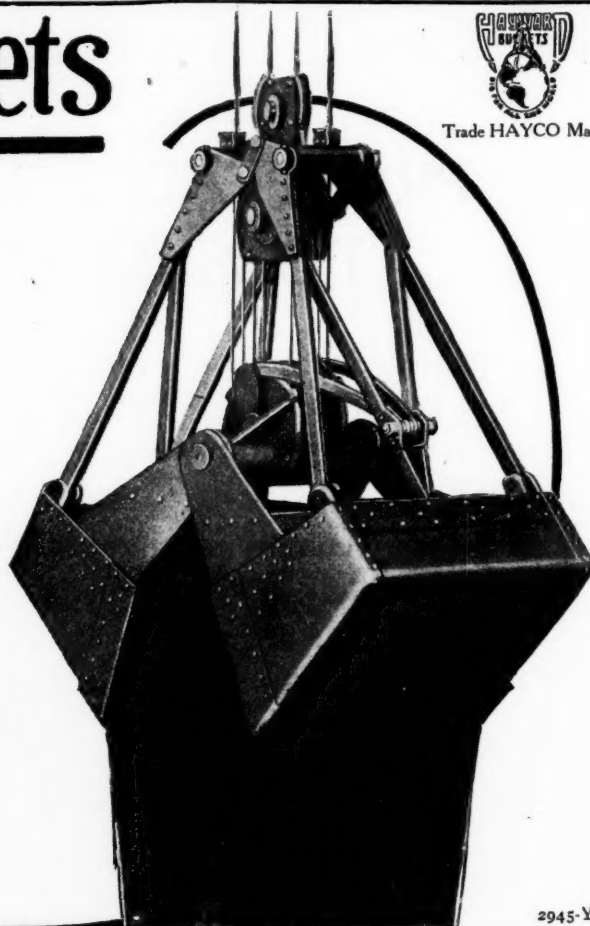
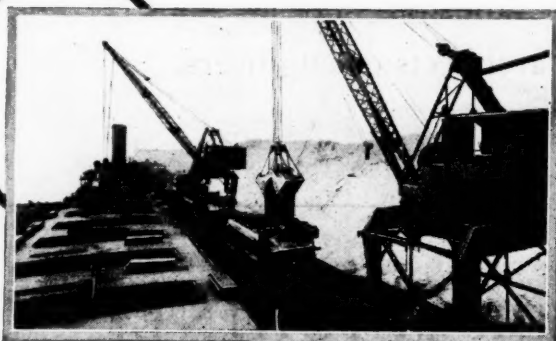
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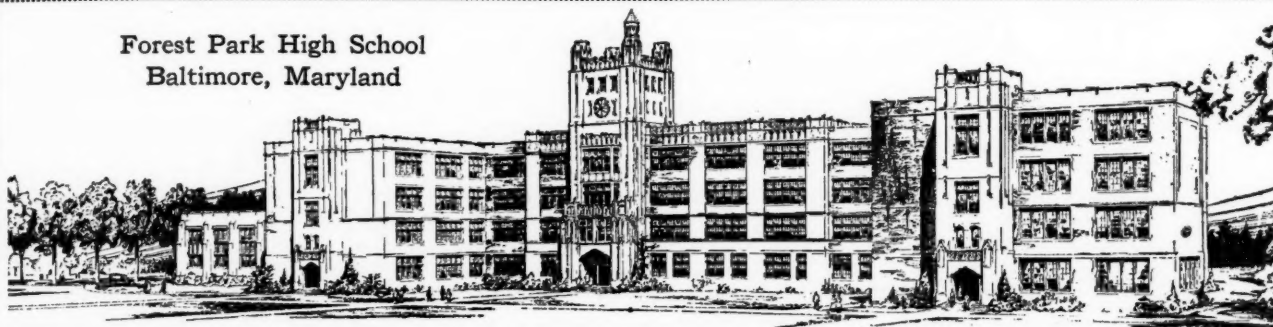
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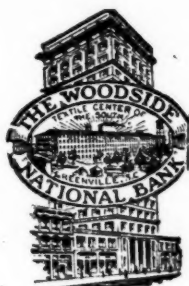
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\$4,000,000

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Company is the largest packer of molasses and cane syrup in the United States, and one of the important manufacturers of corn syrup and other corn products. These bonds are secured by a closed first mortgage on the fixed property, which has been appraised at \$8,470,376.

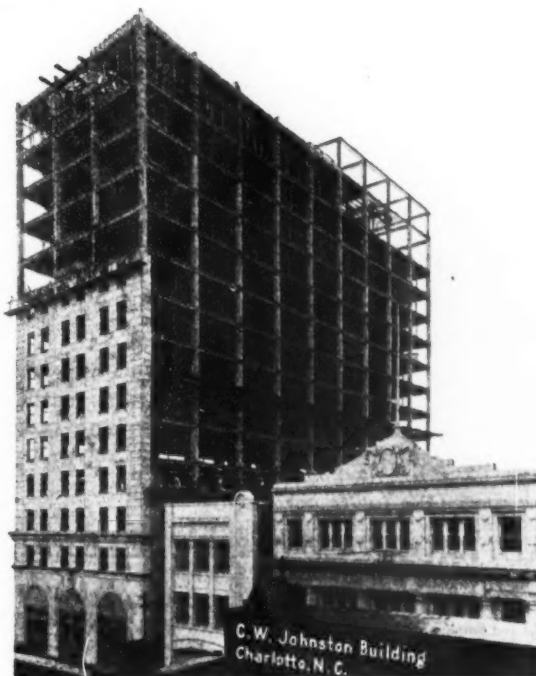
Net earnings available for interest for the six years and eleven months period ended November 30, 1923, averaged \$1,214,323 annually, equivalent to 4.6 times interest requirements on this issue.

Price 98 and interest to yield 6.65%

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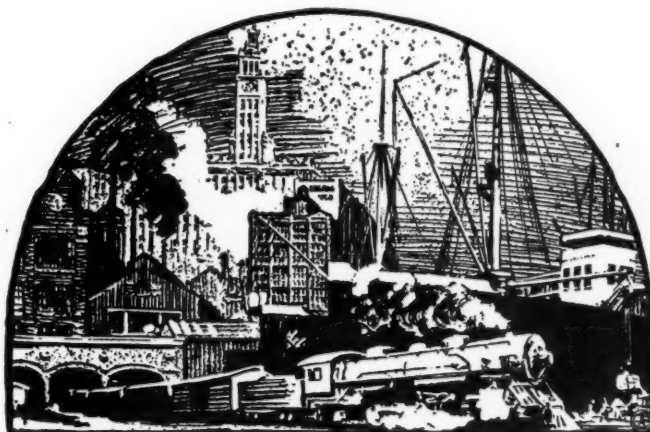
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## INDUSTRIAL NEWS OF INTEREST

Items of news about industrial, railroad or financial interests, building operations, construction work, municipal improvements, or the sale of machinery or the letting of contracts in the South or Southwest, are invited from our readers whether they are advertisers, or subscribers or not. We invite information of this character from readers in the North and West about their Southern business operations, as well as from Southern readers. News of value will be published just as readily when from non-advertisers as from advertisers.

### Tampa Office Opened.

An office at Tampa Fla., was opened February 1 by the J. S. Schofield's Sons Company, of Macon, Ga., temporary headquarters being at 212 Krause Building, Telephone 4024. The company are placing in charge of this office their chief engineer, Wm. P. Fleming, who has been connected with their organization for the last twelve years. This new departure will offer enlarged facilities for distributing the products of the Schofield iron works at Macon, consisting of engines, boilers, tanks, towers, smoke stacks, etc., in the manufacture of which they have been widely known for half a century, and it will be appreciated by their customers.

### New Galvanizing Works.

The Bessemer Galvanizing Works, Incorporated, of Birmingham, with new plant at Bessemer, Ala., are pushing construction there and propose to begin operations about March 1. They are accepting contracts for deliveries in March and April and now have contracts with some of the power companies to furnish a large quantity of galvanized material as soon as they can begin production. Several other large contracts for later delivery are also being negotiated. These works, it is stated, will be equipped to galvanize structural materials up to 56 feet in length, and tanks of a maximum of eight feet in diameter and 28 feet long, besides castings, chains, etc. Single pieces weighing from 8000 to 12,000 pounds can be galvanized. The method which they employ is known as the "hot dip" process in which the material to be

treated is first thoroughly cleansed, after which it is dipped into a kettle of molten pure zinc and kept there until the zinc has chemically united with the iron or steel. It is claimed that this treatment will protect the material from corrosion for an indefinite term of years. A. J. Dyer is president, H. L. Badham, vice president, and W. M. Clark, manager.

### Manufacturing Plant Reorganized.

A syndicate of former stockholders and bondholders have, it is announced, bought the entire assets of the Albaugh-Dover Co., of Chicago, which is reorganized as the Albaugh-Dover Mfg. Co., capital \$200,000, the incorporators being Peter A. Mortenson, Walter E. Smith and Rose B. Harter. The company will concentrate its facilities upon the manufacture of "Butterfly" cream separators and the cutting of gears. For years the plant has made and sold this line of centrifugal cream separators and is among the largest producers of such machines. The gear cutting department is likewise well known. The directors are: P. A. Mortenson, J. M. Appel, E. W. Buck, Mrs. Rose B. Harter, Thos. J. Morris, Dr. John Goltra and Walter E. Smith. Officers are yet to be elected. F. G. Eppley will continue to have charge of manufacturing.

### New Offices In the South.

The Pawling & Harnischfeger Co., of Milwaukee, Wis., manufacturers of excavators, cranes and machine tools, have recently opened new offices in the South. N. B. Norris, formerly district manager at New Orleans, is now district manager of the office at Memphis, Tenn. D. J. Murphy, also formerly at the New Orleans office, is now

district manager of the Texas district with headquarters at Dallas, Tex. F. W. Truex will continue as district manager at Atlanta, Ga., with offices at 212 Haas-Howell Bldg. W. J. Dugan, as Southern sales manager, will assume charge of the entire Southern territory with headquarters at Memphis, where a complete stock of excavator renewal parts will be maintained.

### Representative Appointed.

Walter F. Delaney, 203 Mutual Building, Richmond, Va., has been appointed representative of the Hanna Engineering Works, of Chicago, for Virginia and surrounding territory. The company manufacture and sell the Hanna Riveting machines, air hoists, sand sifters, and I-beam trolleys, in addition to molding machines and other foundry equipment.

### Hugo Spherical Gasoline Tanks.

Three huge spherical tanks of steel, each forty-eight feet in diameter, for the storage of natural gas gasoline, or casing head gasoline as it is otherwise known, have been constructed by the Chicago Bridge & Iron Works for the Texas Company at Port Arthur, Tex. They are named "Hortonspheres" because President George T. Horton of the Chicago Bridge & Iron Works, suggested that tanks for holding such high pressure gasoline be made in the form of a sphere. Concerning the strength of these tanks it is stated that a gasoline manufacturer, who is using the "Hortonsphere" tanks charged one of them during the hottest time last year and closed it for two months, after which the contents were checked up and it was found that there had not been any loss whatever. Previously tanks for this kind of gasoline had been made either flat or cylindrical, a modification of the latter being an elliptical top and an elliptical bottom. From this it was but a step to the spherical tank. Each of the tanks at Port Arthur is supported in a strong frame of steel.



# PROPOSALS

BOND ISSUES
BUILDINGS
PAVING
GOOD ROADS

Bids close February 25, 1924.

**SEALED PROPOSALS**, will be received by the U. S. Veterans Bureau, Room No. 791, Arlington Building, Washington, D. C., until 11:00 A. M., Feb. 25, 1924, and then and there publicly opened for the construction of a laundry building at the U. S. Veterans Hospital No. 94, American Lake, Wash., as indicated on plans and described in specifications. The work involved includes excavation, concrete work, brickwork, tar and gravel roofing, steel sash, metal doors, carpentry, hardware, painting, glazing, plumbing, heating and electric wiring, etc. Proposals will be considered only from individuals, firms, or corporations possessing satisfactory financial and technical ability, equipment and organization to insure speedy completion of the contract, and who have established a record for satisfactory work and expedition on contracts of similar character and magnitude. Plans and specifications may be obtained upon application to the Construction Division, U. S. Veterans Bureau, Room No. 791, Arlington Building, Washington, D. C., or the Medical Officer in Charge, U. S. Veterans Hospital No. 94, American Lake, Washington, upon deposit of \$15.00 to guarantee their safe return within 10 days after date of opening proposals. **FRANK T. HINES**, Director. Jan. 18, 1924.

**RATE:** 35 cents per line per insertion.

**PUBLICATION DAY:** Thursday.

**FORMS CLOSE** 4 P. M., Monday.

**DAY LETTER:** When too late to send copy by mail to reach us by 4 P. M. Monday, forward by day letter.

**THE DAILY BULLETIN OF THE MANUFACTURERS RECORD:**

Published every business day; gives information about the industrial, commercial and financial activities of the South and Southwest.

The Daily Bulletin can be used to advantage when copy cannot reach us in time for publication in the Manufacturers Record before bids are to be opened, or when daily publications are necessary to meet legal requirements.

The same rate applies—35 cents per line per insertion.

Bids close March 1, 1924.

U. S. Engineer Office, Florence, Alabama. **SEALED PROPOSALS** will be received here until 11 A. M., March 1, 1924, and then opened, for furnishing and delivering four hydraulic turbines each of thirty-five thousand (35,000) horsepower, with governors. Further information on application.

Bids close February 7, 1924.

U. S. Engineer Office, Florence, Alabama. Sealed proposals will be received here until 11 A. M., Feb. 7, 1924, and then opened, for furnishing structural steel roof trusses, columns, etc., for the power house of Wilson Dam, Tennessee River. Further information on application.

Bids close February 29, 1924.

### \$65,000.00 Municipal Bonds

Bradentown, Fla., Feb. 2, 1924. Sealed bids for \$43,000.00 Street Paving Bonds, \$8,000.00 Sewer Extension Bonds and \$14,000.00 Water Works Extension Bonds will be received up to 3 o'clock P. M. February 29, 1924, by the City Council at the Council chamber, City Hall, Bradentown, Florida.

A certified check in the sum of \$1500.00 made payable to Whitney Curry, Mayor, as an evidence of good faith must accompany each bid.

Bonds are for \$1000.00 each with interest coupons attached at 5% per annum payable semi-annually.

Bonds may be for 30 years or Serial Type. Bid each way.

Bonds have been voted and validated, but not printed. To be dated March 1, 1924.

The right to reject any or all bids is hereby reserved.

For further information address, **L. L. HINE**, City Clerk.



Bids close February 15, 1924.

### \$80,000 Paving Certificates

Bennettsville, S. C., Feb. 1, 1924.  
Bids will be received by the City Council of Bennettsville, South Carolina, at their office until 12 o'clock, noon, February 15th, 1924, for the purchase of \$80,000 Paving Certificates of said City. To be dated April 1st, 1924, bearing interest at the rate to be named by bidder, in multiple of one-fourth of 1%, not over 6%. Interest payable semi-annually in New York City, maturing as follows: \$5000 yearly 1925 to 1934 inclusive, and \$6000 1935 to 1939 inclusive. Purchaser will be required to furnish legal opinion and the blank certificates.

Good faith check for \$800 required with each bid. The right is reserved to reject any and all bids.

By order of City Council.

L. C. MCARTHUR, Clerk.

Bids close February 11, 1924.

### Steel Bridges

STATE OF ALABAMA, LAMAR COUNTY.  
Vernon, Alabama.

Notice is hereby given that a Regular Term of Commissioners Court to be held at Vernon, Alabama, on February 11, 1924, bids will be received for the construction of one or more steel bridges from 75 to 90 foot span. All Bridge Companies desiring to submit bids will please do so on or by 2 o'clock P. M. February 11, 1924.

J. T. MADDIX,  
Judge of Probate.

Bids close February 18, 1924.

### Dredging

Tampa, Fla.

Proposals will be received at the Office of the Interstate Investment Company, Tampa Florida, until February 18, 1924. Covering the removal of approximately one hundred thirty thousand yards sand, clay and rock in Tampa Harbor.

Soundings and full information on request. INTERSTATE INVESTMENT COMPANY.

Bids close February 15, 1924.

### Dredging

Morehead City, N. C.

1. Sealed bids for dredging and other construction required for re-opening New Inlet about six miles north of Rodanthe, Dare County, N. C., will be received by North Carolina Fisheries Commission Board at their office at Morehead City, N. C., until 2 o'clock P. M. on the 15th day of February, 1924, and then and there opened and read publicly.

Each bid to be considered must be accompanied by a certified check for at least five per cent (5%) of the amount of the bid, as specified in the form of instructions to bidders. A corporate surety bond guaranteeing the faithful performance of the work will be required in a sum equal to one-half the amount of the bid.

The material is estimated to be all beach sand; about 43,000 cubic yards lying above and about 237,000 cubic yards lying below mean low water. For the latter a hydraulic dredge of not over 6 feet working draught will be required.

Plans, specifications, proposal blanks, and contract forms and full information for bidders may be obtained at the office of the Commission at Morehead City, N. C., upon the deposit of ten dollars.

Award of contract will be conditioned on receipt of Federal approval of the project, which from unofficial advice the Commission expects to receive prior to the date of opening bids. The right is reserved to the Commission to reject any or all proposals, or to accept the proposal deemed by them best in their interest.

J. K. DIXON,

Chairman.  
M. L. WILLIS,  
Secretary.

BRENT S. DRANE,  
Engineer.

710-711 Commercial Building,  
Charlotte, N. C.

Bids close February 15, 1924.

### Drainage Improvements

Bartow, Fla.

Sealed proposals addressed to the City Manager, Bartow, Florida, and marked "Sealed Proposals for Drainage Improvements," will be received until 1 P. M., February 15, 1924, to be opened immediately thereafter, for furnishing material, equipment and labor and constructing certain

work in and adjacent to Bartow, Florida, approximately as follows:

4.5 miles of Drainage Canals consisting of 108,000 cu. yds. Excavation.

Each bid is to be on blank forms furnished by the City and is to be accompanied by a certified check or bid bond issued through a Polk County agency by a bonding company qualified to do business in Florida, for \$1000.00, made payable to the City Manager.

Certified check or bid bond will be forfeited as liquidated damages to the City if contract and bond are not executed within time specified, if City accepts proposal, otherwise will be returned within ten days.

The right is reserved to reject any or all bids.

Plans and specifications may be seen at the office of the Clerk also at offices of the engineers. Specifications may be secured from the Clerk by payment of \$2.00 to cover cost of reproduction which will be refunded when specifications are returned with a bona fide bid.

R. B. HUFFAKER, Mayor.

C. V. TURNER, City Manager.

WILLIS BRADLEY, Clerk.

E. V. CAMP and Associates,  
Consulting and Supervising Engineers.  
Atlanta, Ga., Jacksonville, Fla., Bartow, Fla.

Bids close February 22, 1924.

### Water Works Improvements

Smithfield, N. C.

Sealed proposals will be received by the Mayor and Board of Aldermen of the City of Smithfield, N. C., until 3:00 P. M., February 22, 1924, at the City Clerk's office in Smithfield, N. C., for the construction of certain Waterworks Improvements.

The work will consist of the construction of a Reinforced Concrete Sedimentation Basin; reconditioning of two filter units; the construction of chemical tanks with agitators; the construction of a chemical laboratory and furnishing of equipment therefor; furnishing and erecting a 25,000 gallon steel wash water tank, etc.

Proposals must be marked "Proposals for Waterworks Improvements for the City of Smithfield, N. C." All bids must be submitted upon blank forms provided in copies of the proposal, contract and specifications.

Each bid must be accompanied by a certified check for five (5) per cent of the amount of the bid, but in no event for less than the amount of \$250.00.

Plans, copies of the proposal, contract, specifications, etc., may be obtained upon application to the Engineer.

The Town reserves the right to reject any or all bids or to award contracts which appear to be for the best interests of the Town.

J. A. NARRON, Mayor.

WILLIAM C. OLSEN, Engineer.  
Raleigh, N. C.

Bids close February 20, 1924.

### Water Works Improvements

Goldsboro, N. C.

Sealed proposals will be received by the Mayor and Board of Aldermen of the City of Goldsboro, N. C., until 7:45 P. M., February 20, 1924, at the City Hall in Goldsboro, N. C., for the construction of certain Water Works Improvements.

The work will consist of the construction of a Reinforced Concrete Sedimentation Basin to serve a filter plant having a capacity of 2 1/2-million gallons per day; the construction of two Reinforced Concrete Filter Tubs; extension of the filter plant building; furnishing and installation of filter equipment, rate controllers, etc., and reconditioning three old filters; furnishing and erecting a 50,000 gallon Wash Water Tank, etc.

Proposals must be marked "Proposals for Water Works Improvements for the City of Goldsboro, N. C." All bids must be submitted upon blank forms provided in copies of the proposal, contract and specifications.

Each bid must be accompanied by a certified check for five (5) per cent of the amount of the bid, as evidence of good faith, but in no event for less than the amount of \$250.00.

Plans, copies of the proposal, contract, specifications, etc., may be obtained upon application to the Engineer.

The City reserves the right to reject any or all bids or to award contracts which appear to be for the best interests of the City.

E. H. BAIN, Mayor.

CLAUDE M. GRANTHAM,

City Manager.  
WILLIAM C. OLSEN, Engineer.  
Raleigh, N. C.

Bids close February 27 1924.

### Water Works and Sewers

Hartsville, S. C.

Sealed proposals will be received until 12 o'clock noon February 27, 1924, in the office of the City Clerk, by the Board of Public Works of Hartsville, S. C., for the following improvements:

#### WATER WORKS PLANT.

1—500,000 Gallon Reinforced Concrete Reservoir.

1—Brick Building, 20x30.

2—Motor Driven Centrifugal Pumps, 1000 G. P. M., with the necessary hydraulic connections.

EXTENSION TO WATER LINES.

2800—feet, 12 inch Cast Iron Pipe.

1900—feet, 6 inch Cast Iron Pipe.

Necessary hydrants, valves and fittings.

EXTENSION TO SEWER LINES.

6100—feet of 8 inch, 10 inch and 12 inch Sewer Pipe with necessary manholes, flush tanks, "Y" branches, etc.

A certified check for \$2000 or a satisfactory bidder's bond must accompany each bid.

Plans and specifications may be obtained upon deposit of \$10.00 with the Ryan Engineering Company, Arcade Building, Columbia, S. C., to be returned if a bona fide bid is filed and the plans returned in good condition within five days from date of receiving bids.

The right is reserved to reject any or all bids.

#### BOARD OF PUBLIC WORKS,

A. M. McNAIR,

J. J. LAWTON,

J. A. MCINTYRE.

#### ENGINEERS:

CHAS. C. WILSON,

Chief Engineer.

Ryan Engineering Company,  
Associate Engineer.

Bids close February 15, 1924.

### Paving, Sewers and Bridge

Winter Park, Fla.

Sealed proposals will be received by the City Council of the City of Winter Park, Florida, until ten o'clock A. M. on the fifteenth day of February, 1924, at the City Hall for the furnishing materials and construction of approximately 73,000 square yards of brick, concrete or bituminous pavements with the necessary curb, gutter and appurtenances; approximately 5000 feet of storm drains, 12" to 18" with accessories; one Re-inforced concrete Arch bridge.

Bids will be received on the whole, or any section of the work.

Plans and specifications may be examined at the office of the Clerk at the City Hall, Winter Park, Fla., or at the office of the Engineer, in Lutz Building, New Smyrna, Fla., or for the sum of twenty-five dollars may be obtained on applying at the same places.

Each bidder must accompany bid with a certified check or bidders' bond for an amount not less than five (5) per cent of the amount bid drawn to the order of the City of Winter Park, Florida.

The right is reserved to reject any and all bids in whole or in part.

J. A. TREAT,

Mayor of the City of Winter Park, Fla.

E. F. BELLOW, Clerk.

(SEAL)

N. A. HOTARD, Engineer.

Bids close February 27, 1924.

### Paving and Sewers

Mobile, Ala.

Sealed bids will be received by the City Commissioners of Mobile, Alabama, until noon Wednesday February 27, 1924, for the following:

(1) Asphaltic Pavement.....51406 Sq. Yds.

Concrete Curbing.....34064 Lin. Ft.

(2) One course Concrete Paving.

Concrete Curbing.....30583 Sq. Yds.

Concrete Curbing.....16151 Lin. Ft.

Granite Curbing.....220 Lin. Ft.

(3) Storm Sewers:

6 inch pipe.....2100 Ft.

10 inch pipe.....5584 Ft.

12 inch pipe.....9854 Ft.

15 inch pipe.....5785 Ft.

18 inch pipe.....4955 Ft.

20 inch pipe.....220 Ft.

24 inch pipe.....2972 Ft.

Inlets.....205

Special Basins.....56

Manholes.....75

Concrete Culvert.....1030 Ft.

Headwalls.....7

Concrete Chutes.....4

Each bid will be accompanied by a certified check for \$1000. The right is reserved to reject any or all bids. Plans and specifications are on file in the City Engineer's Office and can there be seen.

GEO. E. CRAWFORD, Commissioner.  
WRIGHT SMITH, City Engineer.

Bids close February 20, 1924.

**Sanitary Sewers**

Russellville, Ala.  
Sealed proposals will be received by the Mayor of Russellville, Alabama, until 3:00 P. M. Wednesday, February 20th, 1924, for the construction of approximately nine miles of Sanitary Sewers, ranging from 8" to 15" in size, together with the required manholes, masonry piers, etc.

Specifications may be obtained and plans examined at the office of the Mayor, or of the Consulting Engineer, Birmingham, Alabama. A set of plans for individual use may be obtained at a price of \$5.00.

Payments will be made on Engineer's estimate monthly in cash. Certified check or bidders' bond for \$1500.00 must accompany each proposal. The right is reserved to reject any or all proposals.

W. W. RAMSEY, Mayor.  
ROBERT L. TOTTEN, Consulting Engineer: Birmingham, Alabama.

Bids close February 14, 1924.

**Plans for High School**

Johnson City, Tenn.  
The City of Johnson City will on February 14, 1924, consider plans and sketches for a High School Building with class rooms sufficient to accommodate 800 pupils, and with an auditorium and gymnasium large enough to accommodate 1000 persons each. Estimates of cost should be made upon the basis of a fire-proof building and, also, a semi-fire-proof building. The city will assume no liability for any plans or sketches rejected.

Architects should state what their services will cost the city.

After the selection of a plan on February 14, the Board of Commissioners will ask the people to vote a bond issue, perhaps the following May, for the construction of the building.

Date of opening Bids on the Addition to Court House extended from February 6, 1924 to February 20, 1924.

**Addition to Court House**

Huntington, W. Va.

SEALED bids will be received by the County Court, at County Court Room, Huntington, W. Va., until one o'clock P. M. WEDNESDAY, FEBRUARY 20, 1924, for the erection of three-story addition to court house, in accordance with plans and specifications to be furnished by R. S. Douthat, County Clerk, Huntington, W. Va., all plans and specifications to be returned by unsuccessful bidders. \$1500.00 certified check to be filed with each bid, payable to Cabell County Court, W. Va., contract to be executed within one week or forfeiture of check.

Bond required covering contract.  
No proposals received or considered unless made on combined proposal sheets, furnished by R. S. Douthat, County Clerk.

Court reserves right to reject any and all bids.

COUNTY COURT OF CABELL COUNTY, WEST VIRGINIA.

By R. S. DOUTHAT,  
Clerk, C. C. C.

**Ferry**

Wilmington, N. C.

WANTED—One Ferry Boat capacity not less than 20 automobiles passenger capacity immaterial. Oil burner preferred, must be in good condition. Write giving full description, location and price.

Addison Hewlett, Chairman,  
New Hanover-Brunswick Ferry Commission.

Bids close February 13, 1924.

**Lumber and Repairing Cobble Paving**

DEPARTMENT OF PUBLIC IMPROVEMENTS—SUB-DEPARTMENT OF HIGHWAYS ENGINEER.

Baltimore, January 30, 1924.

Separate sealed proposals for furnishing and delivering LUMBER and for REPAIRING COBBLE PAVING for general purposes in the Highways Engineer Department during the year 1924, are hereby solicited and will be received addressed to the Board of Awards, at the office of the City Register, City Hall, Baltimore, until 11 A. M. Wednesday, February 13th, 1924.

Bids for Lumber or Repairing Cobble Paving must be enclosed in separate envelopes.

A certified check of the bidder on a clearing house bank, drawn to the order of the Mayor and City Council of Baltimore, for the amount recited in the specifications must accompany each bid.

Specifications and bidding forms may be obtained at the office of the Highways Engineer, Room 10, City Hall, Baltimore, Md.

The Board of Awards reserves the right to reject any or all bids.

Approved:

BERNARD L. CROZIER,  
Highways Engineer,  
SETWART PURCELL,  
Chief Engineer.

APPROVED:

HOWARD W. JACKSON,  
President, Board of Awards.  
GEORGE E. KIEFFNER,  
Assistant City Solicitor.



## CLASSIFIED OPPORTUNITIES

**MINERAL AND TIMBER LANDS WATER POWER, MISCELLANEOUS PROPERTIES**

**SOUTHERN INVESTMENT Opportunities.**  
We offer timber lands, coal lands, mines, sawmills, cotton mills, industrial plants, ice plants, public utilities, quarries, etc. Hodgson Investment Co., Knoxville, Tenn.

**HAVE LARGE ACREAGE** fire clay and tile clay have fire brick plant 20,000 capacity four down draft kilns on land now. Am interested in a complete hollow tile plant and a four mold brick press, Boyd preferred. A. Hicks, Box 396, Tyler, Texas.

**GRANITE**

**GRANITE**—Fine granite on Railroad also tile and brick clay.

W. L. English,  
Americus, Ga.

**COAL LANDS AND MINES****OPERATING MINE FOR SALE.**

400 acres high quality By-product, Gas, Steam and Domestic coal. Equipped for operation. New power plant, good houses, non-union field. Capacity 200-250 tons, easily increased. Can be bought or leased right. Additional acreage adjoining may be secured. No. 6285 care Manufacturers Record.

**TIMBER AND TURPENTINE PROPOSITION**

**WHEN IN THE MARKET** for a saw mill, timber or turpentine proposition, write the **LAND MARKET**, Palatka, Fla.

**FARM, FRUIT, AND TRUCK LANDS****FLORIDA**

**FLORIDA**—Playground of the Rich: Paradise of the poor. The fastest developing State in the Union, and Roger Babson, the great business statistician, says that TAMPA is destined to be the greatest city in the Southeast. Come and be one of us. We have a Home, Grove or Farm for you. Send today for booklet "Largest Orange Tree in the World," and list. Tampa-West Coast Realty Co., (Inc.), Opp. Post Office, "Since before the war," Tampa, Fla.

**RATES AND CONDITIONS**

Rate 30 cents per line per insertion. Minimum space accepted, four lines. In estimating the cost, allow seven words of ordinary length to a line. *When the advertisement contains a number of long words, proper allowance should be made.* Terms: Invariably cash with order; check, postoffice or express order or stamps accepted. No display type used. Questionable or undesirable advertisements will not be accepted. The assistance of our readers in excluding undesirable advertisements is requested. We reserve the right to refuse any advertisement. No patent medicine, oil or mining stock advertisement accepted. Rate for special contracts covering space used as desired within one year as follows: 100 lines, 28c. per line; 300 lines, 26c. per line; 500 lines or more, 25c. per line.

**FLORIDA****FOR SALE.**

Six thousand acres of land, good for fruit and farming, also fine satsuma orange land, high well drained, over two hundred feet above sea level; fine lakes and good fishing and hunting, will take \$12.50 per acre, other land in same vicinity has been selling as high as \$200.00 per acre, this is a good purchase will net any purchaser 8 per cent annually on his investment. Apply to G. M. Thomas, Marianna, Fla.

**MISSISSIPPI****WANTED TO SELL.**

Wanted to sell good improved 400 acre farm in Holmes County, Miss. Fine bottom land well drained, one and one-half miles from railroad. Sand and clay highway running through this place to railroad. In connection with this place we offer house and lot in railroad town one and a half miles from farm. We also offer a 320 acre delta farm in Bolivar County, Miss. Good house and barn and 40 acres in cultivation. Will grow anything. Fine opportunity for young farmer. Will sell for part cash and balance on terms. Address No. 6287 care Manufacturers Record.

**SOUTH CAROLINA**

**MR. BUSINESS MAN or SPORTSMAN**, how would you like a winter home site on deep salt water among giant oaks, magnolias, pines, green lawns, where you can grow flowers, oranges and grapefruit? Within two hours' reach by automobile of duck, quail, deer, turkey and other wild game. Excellent climate and health. Our chief industry is growing vegetables for shipment in car and train lots in winter and early spring. Plenty of laborers. Good churches, schools, and real American citizens. Write us for further information.

LAKE REALTY COMPANY,  
Beaufort, S. C.

**VIRGINIA**

**"FARMS TO FIT"** All kinds. Easy terms. Mild, healthful climate. Nearby markets. Booklet free. Magnificent 2230-acre estate, \$90,000. Easily worth \$200,000. Unusual 160a orchard, \$26,000 worth \$45,000. Exceptional 256a dairy farm, \$22,000, splendid markets, roads, schools, colleges. 165a, splendid buildings, \$15,000, cheap at \$20,000. 220a, good buildings, fair land, \$7,500. 100a and 115a farms, \$5,400 each, very desirable, 65a, \$3,800. Good buildings, splendid roads, markets, schools, colleges, 50a orchard, \$3,600, extraordinary sacrifice, 1920 crop brought \$5,100, netted \$3,100. 210a, \$2,900, dwelling and timber worth price. 68½a, splendid roads, schools, markets, colleges, \$2,200. 50a, very desirable, \$1,200. 80a, fair land, \$900. 40½a, cabin, barn, \$900, lumber cut for dwelling and stable. 50a, good land, no buildings, \$650. Many other bargains. Ponton, The Farm Tailor, Box 343, Bedford, Va.

**BUSINESS OPPORTUNITIES**

**FOR SALE** nice home, 600 acre farm and hydro-electric plant with a twenty-year contract with the City of Marianna for light and power. Plant pays ten thousand dollars a year; also good fishing and hunting as there is in the State, fine sport. An ideal place for anybody to live. Six miles South of City of Marianna. Want to sell quick. Wire or write or come to G. M. Thomas, Marianna, Fla.





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**E**VERY other working day during 1923, Prest-O-Lite's big cylinder factory in Indianapolis poured a carload of new cylinders into the service of Prest-O-Lite users.

This is striking proof of the impor-

tant part Prest-O-Lite service plays in expanding the use of the Oxy-Acetylene process.

Every resource is being developed to meet the fast-growing demand for Prest-O-Lite Dissolved Acetylene.

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**DISSOLVED ACETYLENE**

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Approved engineering and scientific principles guide the design of Crane separators. With large areas and ample baffle surfaces, they afford the highest

separating efficiency with very little pressure drop. Crane provides a correct separator and a dependable steam trap for every piping requirement.

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